2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

erall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	А
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	А
	Erosion / Bank Caving	А
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Cofoty	Ι Λ

Operation & Maintenance Manual

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

verall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	М
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall I

Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	А
	Plant Building	М
	Communications	A
	Safety	A
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	N
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Item Rating	Rated Item	verall Unit Rating
N	Photo Documentation	Α
М	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
Α	Erosion / Bank Caving	
Α	Revetments	
Α	Encroachments	
N	Culverts: Inlets / Outlets	
N	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
N	Sluice/Slide Gates	
N	Electric Gate Operators	
N	Manual Gate Operators	
N	Concrete Surfaces	
N	Concrete Tilting / Settlement	
N	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
N	Other Metallic Items	
N	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	А
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	А
	Intake and Discharge Pipes	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2 Overall Unit Rating

Jnit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	А
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Overall Unit Rating Rated Item			
Α	Photo Documentation	N		
	Vegetation & Obstructions	А		
	Shoaling / Sedimentation	А		
	Erosion / Bank Caving	А		
	Revetments	А		
	Encroachments	Α		
	Culverts: Inlets / Outlets	N		
	Culverts: Breaks / Holes / Cracks	N		
	Metal Pipes	N		
	Trash Racks	N		
	Flap Gates	N		
	Sluice/Slide Gates	N		
	Electric Gate Operators	N		
	Manual Gate Operators	N		
	Concrete Surfaces	Α		
	Concrete Tilting / Settlement	Α		
	Concrete Foundations	Α		
	Security Fencing	N		
	Closure Structures	N		
	Trash Rakes	N		
	Other Metallic Items	N		
	Monolith Joints	Α		
	Safety	Α		
	Operation & Maintenance Manual	Α		

2014 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

A Photo Documentation Vegetation & Obstructions Shoaling / Sedimentation Erosion / Bank Caving Revetments Encroachments	N A A M A
Shoaling / Sedimentation Erosion / Bank Caving Revetments Encroachments	A M A
Erosion / Bank Caving Revetments Encroachments	M A
Revetments Encroachments	Α
Encroachments	
	Α
Culverts: Inlets / Outlets	N
Culverts: Breaks / Holes / Cracks	N
Metal Pipes	N
Trash Racks	N
Flap Gates	N
Sluice/Slide Gates	N
Electric Gate Operators	N
Manual Gate Operators	N
Concrete Surfaces	Α
Concrete Tilting / Settlement	Α
Concrete Foundations	Α
Security Fencing	Α
Closure Structures	Α
Trash Rakes	N
Other Metallic Items	N
Monolith Joints	Α
Safety	Α
Operation & Maintenance Manual	Α

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Drainage Structure	

Structure Rating	Α
Date of Inspection	08/19/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End		
Item	Photo Documentation			39.19728	8 °	39.197288 °
пеш	item			-121.94384	7 °	-121.943847 °
DWR ID DWR_NA0060_38_t _ 2012_1						
Action/Comments						

Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.



Butte Slough Drainage structure on the water side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage structure outfall.

Photo 3 of 4: ST_2014_NA0060_38_1_20140825_00006.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of debris preventing the flap gate from proper function.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category		Start		End	
Item	Photo Documentation		39.19728	в°	39.197288 °	
пеш					7 °	-121.943847 °
DWR ID DWR_NA0060_38_t _ 2012_1						
Action/Comments						
Inspector Comments: Butte Slough Drainage structure shown on the						

Photo 4 of 4: ST_2014_NA0060_38_1_20140825_00007.jpg



Butte Slough Drainage structure on the land side.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Vegetatio	n & Obstruction	ons	39.19728	8°	39.197288 °	
пеш				-121.94384	7 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_2				
	Action/Comments						

Inspector Comments: There is minimal vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.

No Photos

							_
LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Shoaling /	Sedimentation	on	39.1972	88 °	39.197288	0
item				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_3				
		Action/	Comme	nts			
Inspector (Comments	: No shoaling	or sedin	nentation is	pre	sent.	

No Photos

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *			
Category		Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	nannels		Start		End	
Item	Erosion /	Bank Caving		39.19728	88 °	39.197288	0
пеш				-121.94384	17 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_4				
	Action/Comments						

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

Rating ** Issue No. LM Start 0.00 Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels 39.197288 ° Revetments 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_5 Action/Comments

Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS La	tituc	de/Longitude		
Calegory	Channels			Start		End	
Item	Encroach	ments		39.19728	38 °	39.197288 °	
пеш				-121.94384	17 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_6				
	Action/Comments						
Inspector (Comments	: No encroach	nments c	or obstructio	ns I	present.	

No Photos

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	М	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Culverts:	Inlets / Outlets	3	39.19728	3°	39.197288 °
item				-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_7			
	Action/Comments					

Inspector Comments: The culvert outlet has some debris which must be removed.

No Photos

LM Start 0.00 Rating ** Issue No. Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 39.197288 ° 39.197288° Item Cracks -121.943847 ° -121.943847 ° DWR_NA0060_38_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

Rating ** Α Issue No. 0.00 9 LM Start 0.00 Issue Type + Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Metal Pipes 39.197288° 39.197288 Item -121.943847 ° -121.943847 DWR ID DWR_NA0060_38_t _ 2012_9 Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined GPS Latitude/Longitu					le/Longitude	
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.19728	38 °	39.197288 °	
Item				-121.94384	47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_10				
	Action/Comments						
Inspector (Inspector Comments: There are no trash racks on this structure.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	GPS La	atitude/Longitude		
Calegory	Channels			Start		End
Item	Flap Gate	ap Gates			8 °	39.197288 °
пеш				-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_11			
	Action/Comments					
Inspector condition.	Comments	: The flap gat	e appeai	rs to be in p	ope	er working

No Photos

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		39.1972	88 °	39.197288	0
item				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_12				
		Action/	Comme	nts			
Inspector (Comments	: No sluice or	slide ga	tes are pres	sent		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined GPS Latitude/Longitude				le/Longitude	
Calegory	Channels			Start		End
Item	Electric Gate Operators			39.19728	88 °	39.197288 °
item				-121.94384	۰ ۲	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_13			
	Action/Comments					
Inspector (Comments	: No electric o	gate ope	rators prese	nt.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Manual Gate Operators		39.1972	88 °	39.197288	0	
пеш				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_14				
		Action/	'Commei	nts			
Inspector (Comments	: No manual (gate ope	rators on th	is st	tructure.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atitud	de/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		39.1972	88 °	39.197288	0
пеш				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_15				
		Action/	Comme	nts			
		: No concrete as a revetme		s to inspect	. Gr	outed cobble	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	tituc	le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Concrete Tilting / Settlement		39.19728	88°	39.197288 °	
item				-121.94384	17 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_16				
	Action/Comments						
Inspector (Comments	: This does no	ot apply	to this struc	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category Changels			Lined	GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Concrete Foundations			39.19728	38 °	39.197288 °
item				-121.94384	17 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	2_17			
Action/Comments						
Inspector (Inspector Comments: No concrete foundation or structure present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory	Channels					End	
Item	Security Fencing			39.1972	88 °	39.197288 °	
item					47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_18				
	Action/Comments						
Inspector	Comments	: No security	fencing p	oresent.			

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels	nels Start		End			
Item	Closure Structures		39.1972	88 °	39.197288 °		
пеш				-121.9438	47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_19				
	Action/Comments						
Inspector (Inspector Comments: Closure structure appears to be functioning and						

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Rakes			39.1972	88 °	39.197288 °	
пеш				-121.9438	47 °	-121.943847 °	
DWR ID	DWR_NA0	060_38_t _ 201	2_20				
Action/Comments							
Inspector (Inspector Comments: There is no trash rake on this facility.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End	
Item	Other Metallic Items			39.1972	88 °	39.197288	0
item				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	3_21				
		Action/	Comme	nts			
Inspector (Comments	: No other me	etallic iter	ms other tha	an tl	he culvert.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

in working condition.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Itom	Item Monolith Joints			39.19728	88 °	39.197288 °	
пеш				-121.94384	۰ ۲	-121.943847 °	
DWR ID DWR_NA0060_38_t _ 2012_22							
Action/Comments							
Inspector Comments: No joints to inspect.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23							
LM End	0.00	Issue Type +	Ma	Location *									
Structures & Concrete Lined			GPS Latitude/Longitude										
Category	Channels			Start		End							
Item	Safety			39.1972	88 °	39.197288	0						
item				-121.9438	47 °	-121.943847	0						
DWR ID	DWR_NA0	060_38_t _ 201	2_23										
		Action/	Commo	ntc		Action/Commants							

Action/Comments

Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Operation & Maintenance		ce	39.197288 °		39.197288	0	
пеш	Item Manual			-121.9438	47 °	-121.943847	0
DWR ID DWR_NA0060_38_t _ 2013_24							
Action/Comments							
Inspector Comments: O&M is available at the office.							

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Outfall Structure	

Structure Rating	Α
Date of Inspection	08/19/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Bryan Reniff Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1						
LM End	0.00	Issue Type +	Ma	Location *							
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude							
Calegory				Start		End					
Item	Photo Documentation			39.1949	72 °	39.194972 °					
пеш				-121.9360	88 °	-121.936088 °					
DWR ID	R ID DWR_NA0060_42_t _ 2012_1										
		Action/	Comme	Action/Comments							

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.

Photo 1 of 4: ST_2014_NA0060_42_1_20140825_00003.jpg
THE WAY AND THE PARTY OF THE PA
09/19/9006
The state of the s

View of the Butte Slough Outfall Structure on the land side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the mechanical gate operation mechanism.

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



View of the Butte Slough Outfall Structure on the water side.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

nitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
			Start		End	
ltom	Item Photo Documentation			39.194972 °		39.194972 °
пеш				-121.9360	88 °	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_1			
Action/Comments						
Inspector Comments: Photos showing water side and land side views of						



View of the stop log slots on the water side.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels			Start		End
Vegetation & Ob		n & Obstruction	& Obstructions		72 °	39.194972 °
пеш				-121.9360	88 °	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_2			
Action/Comments						
Inspector Comments: No vegetation obstructing structure or impeding flow.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels				Start		End	
Item	Shoaling / Sedimentation			39.1949	72 °	39.194972	0
пеш					-121.936088 °		٥
DWR ID	DWR_NA0	060_42_t _ 201	2_3				
	Action/Comments						
Inspector (Comments	: No shoaling	or sedin	nentation pr	ese	nt.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Erosion /	Bank Caving		39.19497	72 °	39.194972	0
пеш		-			38 °	-121.936088	0
DWR ID	DWR_NA0	DWR_NA0060_42_t _ 2012_4					
	Action/Comments						

Inspector Comments: No erosion or bank caving was observed on either the land or water side.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetments			39.19497	′2 °	39.194972 °	
пеш				-121.93608	88 °	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_5							
	Action/Comments						
_							

Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category Chappels			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Encroachments			39.19497	′2 °	39.194972 °	
item				-121.93608	88°	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_6				
Action/Comments							
Inspector (Comments	: No encroach	nments o	or obstructio	ns a	are visible.	

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts:	Inlets / Outlets	3	39.19497	'2 °	39.194972	0
пеш					8 °	-121.936088	0
DWR ID	DWR_NA0060_42_t _ 2012_7						
		Action/	Comme	nts			

Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts: Breaks / Holes /			39.19497	72 °	39.194972 °	
пеш	Cracks			-121.93608	88°	-121.936088 °	
DWR ID	DWR ID DWR_NA0060_42_t _ 2012_8						
Action/Comments							
Inspector	Comments	: Culverts we	re subme	erged at the	tim	e of this	

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Category	Channels		Start		End		
Item	Metal Pipes			39.19497	72 °	39.194972	0
пеш				-121.93608	38 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_9				
		Action/	Comme	nts			
Inspector (: Pipes were	fully subi	merged at th	ne ti	ime of the	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

inspection.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Racks			39.19497	'2 °	39.194972 °	
item				-121.93608	8 °	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_10				
	Action/Comments						
Inspector (Comments	: No trash rac	ks on th	is structure.			

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Flap Gates			39.19497	2°	39.194972 °	
пеш				-121.93608	B °	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_11				
	Action/Comments						
Inspector (Omments	· Flan dates v	vere fully	suhmerene	d a	t the time of	

No Photos

this inspection.

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Sluice/Slide Gates			39.19497	72 °	39.194972 °
item				-121.93608	88°	-121.936088 °
DWR ID	DWR_NA0	060_42_t _ 201	2_12			
Action/Comments						
Inspector Comments: Gates appear to be operating normally.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	. 13	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Electric Gate Operators			39.19497	'2	39.194972 °
пеш				-121.93608	88 °	-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_13						
Action/Comments						
Inspector (Inspector Comments: No electric gate operators at this facility.					

No Photos

0.00	Rating **	Α	Issue No.		14		
0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Manual Gate Operators			39.19497	2 °	39.194972 °		
			-121.93608	8 °	-121.936088 °		
DWR ID DWR_NA0060_42_t _ 2012_14							
Action/Comments							
	0.00 Structures Channels Manual G	0.00 Issue Type + Structures & Concrete I Channels Manual Gate Operators DWR_NA0060_42_t _ 201:	0.00 Issue Type + Ma Structures & Concrete Lined Channels Manual Gate Operators DWR_NA0060_42_t_2012_14	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Lat Manual Gate Operators 39.19497 -121.93608 DWR_NA0060_42_t_2012_14	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Manual Gate Operators 39.194972 ° -121.936088 ° DWR_NA0060_42_t _ 2012_14		

Inspector Comments: Manual gate operators appear to be in good working condition, they are lubricated and appear to move freely.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Surfaces			39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	WR ID DWR_NA0060_42_t _ 2012_15						
Action/Comments							

Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS Lat	titud	le/Longitude		
Calegory	Channels			Start		End
Item	Concrete	Concrete Tilting / Settlement			2 °	39.194972 °
пеш				-121.93608	8 °	-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_16						
Action/Comments						
Inspector (Inspector Comments: No evidence of tilting sliding or settlement.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Foundations			39.1949	72 °	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID	DWR ID DWR_NA0060_42_t _ 2012_17						
Action/Comments							
Inspector (Inspector Comments: No evidence of erosion, scouring or undermining						

No Photos

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Lat	ituc	le/Longitude		
Channels			Start		End		
Item	Security Fencing			39.19497	2 °	39.194972 °	
item				-121.93608	8°	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_18							
Action/Comments							
Inspector (Inspector Comments: There is a security date on the road, but no						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

security fencing to inspect.

near the structure.

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS Latitude/Longitude						
Calegory	Channels			Start		End	
Item	Closure S	tructures		39.19497	2 °	39.194972 °	
пеш				-121.93608	8 °	-121.936088 °	
DWR ID	WR ID DWR_NA0060_42_t _ 2012_19						
Action/Comments							

Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Trash Rakes			39.1949	72 °	39.194972 °	
пеш				-121.9360	88 °	-121.936088 °	
DWR ID	DWR ID DWR_NA0060_42_t _ 2012_20						
Action/Comments							
Inspector Comments: No trash rake at this structure.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start E		End	
Other Metallic Items				39.1949	72 °	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID DWR_NA0060_42_t _ 2012_21							
Action/Comments							
Inspector Comments: Metal railings and catwalks are painted or coated							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

to prevent corrosion.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		08/19/2014 08/19/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Monolith Joints			39.19497	'2 °	39.194972 °	
item				-121.93608	88 °	-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_22						
Action/Comments						
Inspector Comments: Joints appear to be in good condition.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Safety			39.19497	72 °	39.194972 °		
пеш				-121.93608	88°	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_23							
Action/Comments							
Inspector Comments: Railing is in place at manual sluice gate controls.							

No Photos

LM Start	0.00 Rating ** A Issue No.		24			
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Category Channels			Start		End
Operation & Maintenance		се	39.1949	72 °	39.194972 °	
пеш	Manual		-121.9360	88 °	-121.936088 °	
DWR ID	DWR ID DWR_NA0060_42_t _ 2013_24					
Action/Comments						
Inspector Comments: O&M is available at the office.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Colusa We	r

Structure Rating	Α
Date of Inspection	07/08/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Photo Documentation			39.23213	35 °	39.232135 °	
пеш				-121.99625	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_1			
Action/Comments						



This view is of the Colusa Weir structure from the right bank of the levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



This is the upstream view of the Colusa Weir structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is the downstream view of the Colusa Weir structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1 (cont)			
LM End	0.00	Issue Type +	Ma	Location *					
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude					
				Start		End			
Photo Documentation			39.2321	35 °	39.232135 °				
пеш				-121.9962	53 °	-121.996253 °			
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_1								
Action/Comments									



This view is of the Colusa Weir structure from the left bank of the levee.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	e/Longitude		
Calegory	Channels			Start		End	
Vegetation & Obstructions			39.232135 °		39.232135 °		
item			-121.9962	53 °	-121.996253 °		
DWR ID	DWR_NA0	060_55_t _ 201	2_2			·	
Action/Comments							
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
				Start		End		
Shoaling / Sedimentation			39.2321	35 °	39.232135	٥		
пеш				-121.9962	53 °	-121.996253	٥	
DWR ID	DWR_NA0	060_55_t _ 201	2_3					
Action/Comments								
Inspector Comments: No shoaling or sedimentation present.								
							_	

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Lat	ituc	le/Longitude		
Category Channels			Start		End			
ltom	Erosion /	Bank Caving		39.23213	5 °	39.232135	0	
пеш	Item				3°	-121.996253	0	
DWR ID	DWR_NA0060_55_t _ 2012_4							
	Action/Comments							

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start 0.00 Rating ** Issue No. Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 39.232135° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_5 Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start Encroachments 39.232135° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR NA0060 55 t 2012 6 DWR ID Action/Comments Inspector Comments: The trash and debris has been removed.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		7			
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	& Concrete I	GPS Latitude/Longitude							
Calegory	Category Channels			Start		End			
Item	Culverts: Inlets / Outlets			39.2321	35 °	39.232135 °			
пеш				-121.9962	53 °	-121.996253 °			
DWR ID	DWR_NA0	060_55_t _ 201	2_7						
Action/Comments									
Inspector (Comments	Inspector Comments: This item does not apply to this inspection.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Culverts: Breaks / Holes /			39.2321	35 °	39.232135	0
пеш	Cracks			-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_8				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Metal Pip	es		39.232135 °		39.232135 °
item				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_9			
Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Racks			39.23213	35 °	39.232135 °	
Item				-121.99625	53 °	-121.996253 °	
DWR ID DWR_NA0060_55_t _ 2012_10							
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category	Channels			Start		End
Item	Flap Gate	s		39.23213	85 °	39.232135 °
Item				-121.99625	3°	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_11			
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this i	nsp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels			Start		End
Item	Sluice/Sli	de Gates		39.232135 °		39.232135 °
item				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_12			
Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Electric Gate Operators			39.2321	35 °	39.232135 °
пеш				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_13			
Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Manual Gate Operators		39.23213	35 °	39.232135 °	
item				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_14			
Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Concrete	Surfaces		39.2321	35 °	39.232135 °
item				-121.9962	53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_15			
Action/Comments						
Inspector	Inspector Comments: Negligible spalling, scaling or cracking.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Concrete	Tilting / Settle	ment	39.23213	35 °	39.232135 °
пеш				-121.99625	53 °	-121.996253 °
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_16					
Action/Comments						
Inspector (Comments	: Nealiaible si	palling, s	caling or cra	acki	na.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atitud	de/Longitude	
Calegory	Channels	Channels				End	
Item	Concrete Foundations			39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_17				
		Action/	Comme	nts			
Inspector structure.	Comments	: No scouring	/ erosio	n or undern	ninin	ng near the	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Security F	encing		39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_18						
	Action/Comments						

No Photos

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Closure S	tructures		39.23213	5 °	39.232135 °
item				-121.99625	i3°	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_19			
	Action/Comments					
Inspector	Comments	: This item do	es not a	pply to this i	nsp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude
Calegory				Start		End
Item	Trash Ral	ces		39.23213	35 °	39.232135 °
пеш				-121.99625	53 °	-121.996253 °
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_20					
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Other Me	tallic Items		39.2321	35 °	39.232135	0
item				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	3_24				
		Action/	Comme	nts			
	Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude
Calegory				Start		End
Item	Monolith .	Joints		39.23213	85 °	39.232135 °
пеш				-121.99625	3 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_22			
Action/Comments						
Inspector (Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Lati	tud	e/Longitude		
Category	Channels	Channels		Start		End	
Item	Safety			39.232135	°	39.232135	0
пеш				-121.996253	°	-121.996253	٥
DWR ID DWR_NA0060_55_t _ 2012_23							
DWR ID	DWR ID DWR_NA0060_55_t _ 2012_23						

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item		& Maintenan	се	39.2321	35 °	39.232135	0
пеш	Manual			-121.9962	53 °	-121.996253	0
DWR ID DWR_NA0060_55_t _ 2014_21							
		Action/	Comme	nts			

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Goose Lake Overflow Structure	

Structure Rating	M
Date of Inspection	08/15/2014
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation		39.56924	8 °	39.569248 °		
item			-121.98256	9°	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_1				
	Action/Comments						

No Photos

LM Start	0.00	Rating **	М	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Vegetatio	n & Obstruction	ons	39.5692	47 °	39.569247	
Item				-121.9825	69 °	-121.982569	
DWR ID	DWR_NA0060_225_t _ 2013_2						
	Action/Comments						

Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.



View of the vegetation on both sides of the weir.

		D :: ++					
LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category Channels			GPS Latitude/Longitude				
Category	Channels		Start		End		
Item	Shoaling / Sedimentation		on	39.56924	8°	39.569248 °	
пеш					9°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_3				
Action/Comments							
Inspector (Comments	: No shoaling	or sedin	nentation pre	ese	nt.	

No Photos

Tuesday, October 14, 2014 09:51

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End	
Item	Erosion / Bank Caving			39.56924	18 °	39.569248 °	
пеш			-121.98256	69 °	-121.982569 °		
DWR ID	ID DWR_NA0060_225_t _ 2013_4						
	Action/Comments						
Inspector (Comments	: No active er	osion.				

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category Changels			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetmer	Revetments		39.5692	48 °	39.569248	0
пеш				-121.9825	69 °	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_5				
Action/Comments							
Inspector (Comments	: Existing ripra	ap proted	ction is prop	erly	maintained.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Encroachments			39.5692	48 °	39.569248 °	
пеш				-121.9825	69 °	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_6				
Action/Comments							
Inspector (Inspector Comments: There is no debris at this location.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
		Culverts: Inlets / Outlets		39.569248 °		39.569248 °
пеш					69°	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_7					
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	8			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels			Start			
Culverts: Breaks / Holes /			39.5692	48 °	39.569248	0		
пеш	Cracks	Cracks			69 °	-121.982569	0	
DWR ID	DWR_NAC	0060_225_t _ 20	13_8					
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Metal Pipes			39.5692	48 °	39.569248	0
пеш				-121.9825	69 °	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_9				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Racks			39.56924	18 °	39.569248 °	
пеш				-121.98256	69 °	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_10				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category Channels			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Flap Gates			39.56924	18 °	39.569248 °	
пеш				-121.98256	9°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_11				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Sluice/Slide Gates			39.5692	48 °	39.569248 °	
пеш				-121.9825	69 °	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_12				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Line			Lined	GPS La	e/Longitude		
Calegory	Channels			Start		End	
Item	Electric Gate Operators			39.56924	18 °	39.569248 °	
пеш					69 °	-121.982569 °	
DWR ID	DWR_NA0	DWR_NA0060_225_t _ 2013_13					
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		14		
LM End	0.00	Issue Type +	Ma	Location *	LS			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Start		End				
Item	Manual Gate Operators			39.5692	48 °	39.569248	0	
пеш				-121.9825	69 °	-121.982569	0	
DWR ID	DWR_NA0	060_225_t _ 20	13_14					
Action/Comments								
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		39.5692	48 °	39.569248	0
item				-121.9825	69°	-121.982569	0
DWR ID	DWR_NA0		,				
Action/Comments							

Inspector Comments: Farm equipment needs to stay off of the weir to prevent further damage to the concrete surface.



Photo 1 of 1: ST_2014_NA0060_225_15_20140821_00004.jpg



View of the concrete crown roadway on top of the weir.

Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete Tilting / Settlement			39.56924	18 °	39.569248 °	
пеш				-121.98256	9°	-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_16						
Action/Comments							
Inspector (Comments	: There are no	o surface	areas of til	tina		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Start		End			
Item	Concrete	Concrete Foundations			48 °	39.569248	0
пеш				-121.9825	69°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_17				
Action/Comments							
Inspector (Comments	: There is no	erosion (or undermin	ing	near the	

No Photos

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category		& Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels	Start		End			
Item	Security Fencing			39.5692	48 °	39.569248	0
item				-121.9825	69 °	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_18				
	Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Itom	Closure Structures			39.569248 °		39.569248 °	
пеш	Item				69°	-121.982569 °	
DWR ID DWR_NA0060_225_t _ 2013_19							
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *		LS	
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category Channels		Start		End			
Itom	Item Trash Rakes		39.5692	48 °	39.569248	0	
пеш				-121.9825	69 °	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_20				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	21			
LM End	0.00	Issue Type +	Ma	Location *		LS		
Structures & Concrete Lined		GPS Latitude/Longitude						
Category	Channels			Start		End		
Itom	Other Metallic Items			39.569248 °		39.569248	0	
пеш			-121.9825	69 °	-121.982569	0		
DWR ID	DWR ID DWR_NA0060_225_t _ 2013_21							
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Monolith .	loints		39.569248 °		39.569248 °	
пеш	item			-121.98256	69 °	-121.982569 °	
DWR ID DWR_NA0060_225_t _ 2013_22							
Action/Comments							
Inspector Comments: This item does not apply to this inspection.							

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 Issue Type + Ма Location * LS 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 39.569248° 39.569248 ° Item -121.982569 ° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_24 Action/Comments

No Photos

Inspector Comments: The yard maintains good safety procedures and no hazards were observed.

LM Start	0.00	Rating **	U	Issue No.	23			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Structures & Concrete Lined				GPS La	ituc	le/Longitude		
Category	Channels			Start		End		
Itom	Item Operation & Maintenance Manual			39.56924	8 °	39.569248	0	
item				-121.98256	9 °	-121.982569	0	
DWR ID DWR_NA0060_225_t _ 2013_23								
Action/Comments								

No Photos

Inspector Comments: The weir has not been maintained in several years. Documentation regarding this structure is still being researched.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Highland Canal Diversion Weir An	Drainage Structure

Structure Rating	Α					
Date of Inspection	08/12/2014					
DWR Inspector	Pavel Kazi					
Accompanied By	Brian Stringer Sutter Maintenance Yard					

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude		
			Start		End		
Item	Photo Documentation			39.12631	7 °	39.126317 °	
пеш				-122.88273	°	-122.882733 °	
DWR ID DWR_NA0009_7_t _ 2012_1							
Action/Comments							

Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.



View of the weir.

LM Start 0.00 Rating ** Issue No. 1 (cont) Location * 0.00 Issue Type + Ма LM End





Alternate view of the weir.

LM Start	0.00	Rating **	М	Issue No.		2		
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude			
			Start		End			
Item	Vegetatio	n & Obstruction	ons	39.126317 °		39.126317 °		
item				-122.882733 °		-122.882733 °		
DWR ID	DWR ID DWR_NA0009_7_t _ 2012_2							
Action/Comments								
Inspector (Comments	: There was v	egetatio	n growth su	ch a	as cat tails		



View of the vegetation growth on the inlet of the structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

0.00 Rating ** M			Issue No.	2 (cont)		
0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Vegetatio	n & Obstruction	ons	39.12631	7 °	39.126317 °	
				3°	-122.882733 °	
ID DWR_NA0009_7_t _ 2012_2						
Action/Comments						
	0.00 Structures Channels Vegetatio	0.00 Issue Type + Structures & Concrete I Channels Vegetation & Obstruction DWR_NA0009_7_t _ 2012	0.00 Issue Type + Ma Structures & Concrete Lined Channels Vegetation & Obstructions DWR_NA0009_7_t _ 2012_2	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Lat Vegetation & Obstructions 39.12631 -122.88273 DWR_NA0009_7_t _ 2012_2	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Vegetation & Obstructions 39.126317 ° -122.882733 °	

Inspector Comments: There was vegetation growth such as cat tails and bushes in the structure which might impede the flow of water through the culvert.



View of vegetation on the outlet of the structure.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Another view of the vegetation on the inlet of the structure.

LM Start	0.00	Rating **	Α	Issue No.	3				
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels		Start		End				
Item	Shoaling / Sedimentation			39.1263	17 °	39.126317	0		
пеш				-122.8827	33 °	-122.882733	0		
DWR ID	DWR_NA0	DWR_NA0009_7_t _ 2012_3							
	Action/Comments								
Inspector (Inspector Comments: No shoaling or sedimentation was present.								

No Photos

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Erosion /	Bank Caving		39.12631	7 °	39.126317 °
пеш				-122.88273	33 °	-122.882733 °
DWR ID	DWR_NA0	DWR_NA0009_7_t _ 2012_4				
	Action/Comments					

Inspector Comments: No active erosion or active bank caving was observed around the structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start	End		
Item	Revetments			39.1263	17°	39.126317 °	
пеш			-122.88273	33 °	-122.882733 °		
DWR ID	DWR_NA0	009_7_t _ 2012	_5				
Action/Comments							
Inspector Comments: No riprap was present at this structure.							

No Photos

LM Start	0.00	Rating **	М	Issue No.	6			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start	End			
Item	Encroach	ments	39.1263	17 °	39.126317	0		
пеш					33 °	-122.882733	٥	
DWR ID	DWR_NA0	009_7_t _ 2012	_6					
		Action/	Comme	nts				
Inspector Comments: Minimal debris was found on outlet of the structure.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts: Inlets / Outlets			39.126317 °		39.126317 °	
пеш			-122.882733 °		-122.882733 °		
DWR ID	DWR_NA0	DWR_NA0009_7_t _ 2012_7					
Action/Comments							
Inspector (Comments	: Vegetation v	vas bloci	king less th	an 1	0% of the	

nspector Comments: Vegetation was blocking less than 10% of the culverts opening.



View of inlet of the culvert.

LM Start	0.00	Rating **	М	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of outlet of the structure.

	LM Start	0.00	Rating **	Α	Issue No.	8			
	LM End	0.00	Issue Type +	Ma	Location *				
	Category	Structures & Concrete Lined			GPS Latitude/Longitude				
		Channels	Channels			Start			
	Itam	Culverts: Breaks / Holes / Cracks			39.1263	17 °	39.126317	0	
					-122.8827	33 °	-122.882733	٥	
	DWR ID	DWR_NA0009_7_t _ 2012_8							
	Action/Comments								
	Inspector Comments: There were no visible breaks, holes or cracks								

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	Metal Pipes			7 °	39.126317 °	
пеш				-122.88273	°	-122.882733 °	
DWR ID	DWR ID DWR_NA0009_7_t _ 2012_9						
Action/Comments							
Inspector (Comments	: The outlet p	ipes app	eared to be	in ç	good condition.	



View of the outlet pipes.

LM Start	0.00	Rating **	N	Issue No. 10		
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Trash Rad	Trash Racks			17°	39.126317°
item				-122.8827	33 °	-122.882733 °
DWR ID DWR_NA0009_7_t _ 2012_10						
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

	0.00	Rating **	Α	Issue No.		44	
LM Start	0.00	Rating	Α	issue ivo.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS La	ititud	de/Longitude			
Category	Channels	Channels				End	
Item	Flap Gate	Flap Gates			17 °	39.126317 °	
Item				-122.8827	33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_11				
	Action/Comments						
Inspector Comments: The flap gates appeared to be in working condition.							



View of the flap gates.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		11 (cont)			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined					GPS Latitude/Longitude			
Calegory	Channels			Start		End			
Item	Flap Gates			39.12631	7 °	39.126317 °			
пеш				-122.88273	3°	-122.882733 °			
DWR ID	DWR_NA0	009_7_t _ 2012	_11						
Action/Comments									
Inspector Comments: The flap gates appeared to be in working condition.									

Photo 2 of 2 : ST_2014_NA0060_7_11_20140818_00023.jpg



An alternate view of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Slice	Sluice/Slide Gates			17°	39.126317 °	
пеш				-122.88273	33 °	-122.882733 °	
DWR ID	DWR ID DWR_NA0009_7_t _ 2012_12						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined							
Calegory	Channels			Start		End	
Item	Electric Gate Operators			39.1263	17 °	39.126317	. 0
пеш				-122.8827	33 °	-122.882733	٥
DWR ID	DWR_NA0	009_7_t _ 2012	_13				
Action/Comments							
Inspector	Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ма	Location *			
Category Changels				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Manual G	ate Operators	i	39.12631	7 °	39.126317	0
пеш			-122.88273	3°	-122.882733	0	
DWR ID	ID DWR_NA0009_7_t _ 2012_14						
	Action/Comments						

Inspector Comments: Manual gate operator appeared to be in good working condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Concrete	Concrete Surfaces			17°	39.126317 °
пеш				-122.88273	33 °	-122.882733 °
DWR ID DWR_NA0009_7_t _ 2012_15						
Action/Comments						
Inchactor (Commonto	. Thoro was n	ninimal c	racking and	4 00	aling on the

Inspector Comments: There was minimal cracking and scaling on the concrete structure, but it didn't threaten structural integrity.

Photo 1 of 1 : ST_2014_NA0060_7_15_20140818_00022.jpg



View of the concrete structure.

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.1263	17°	39.126317 °	
пеш				-122.8827	33 °	-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_16						
	Action/Comments						

Inspector Comments: There was no settlement or tilting observed that threatened the structure.

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category		Structures & Concrete Lined			titud	le/Longitude	
Calegory	Channels		Start		End		
Item	Concrete Foundations		39.1263°	17 °	39.126317 °		
item					33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_17				
	Action/Comments						
Inspector (Comments	: No scouring	or erosi	on was four	id n	ear the	

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Security Fencing			39.12631	17°	39.126317 °	
Item				-122.88273	33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_18				
	Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Closure Structures			39.1263	17 °	39.126317	0
item				-122.882733 °		-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_19				
		Action/	Comme	nts			
Inspector (Comments	: Closure stru	cture wa	s in good c	ond	ition.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

structure.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	20			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS La	titud	e/Longitude		
Calegory	Channels			Start		End		
Item	Trash Rakes			39.1263	17 °	39.126317 °		
пеш				-122.8827	33 °	-122.882733 °		
DWR ID	DWR_NA0	009_7_t _ 2012	_20					
	Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.		

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category		ures & Concrete Lined		GPS Latitude/Long		de/Longitude	
Calegory	Channels			Start		End	
Item	Other Met	er Metallic Items		39.1263	17 °	39.126317	0
item				-122.882733		-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_21				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS La	atitude/Longitude		
Calegory	Channels	Channels			Start		
Item	Monolith .	Monolith Joints			17°	39.126317	0
пеш				-122.88273	33 °	-122.882733	0
DWR ID	DWR_NA0	060_7_t _ 2014	_22				
		Action/	Comme	nts			
Inspector (condition.	Comments	: The monolit	h joints r	naterial wer	e in	good	

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Page 10 of 10

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		23			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined			Structures & Concrete Lined GPS La			atitude/Longitude		
Calegory	Channels		Start		End				
Item	Safety	Safety		39.12631	7 °	39.126317 °			
пеш					33 °	-122.882733 °			
DWR ID	DWR_NA0	009_7_t _ 2012	_23						
	Action/Comments								
Inspector (Comments	: There were	no safety	y hazards aı	our	nd the			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item		Operation & Maintenar		39.1263	17 °	39.126317	0
пеш	Manual			-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0	060_7_t _ 2013	_24				
	Action/Comments						
Inspector (Inspector Comments: The district has the O&M manual in their office.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

structure.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Little Chico Creek Control And Weir Structures	

Structure Rating	Α
Date of Inspection	n/a
DWR Inspector	Matthew Hoffman
Accompanied By	

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1	٦
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category			Start		End		
Itom	Item Photo Documentation			39.733767 °		39.733767	0
пеш				-121.771915 °		-121.771915	0
DWR ID DWR_NA0060_9_t _ 2012_1							
Action/Comments							

Photo 1 of 4	: ST_2014_I	NA0060_9	_1_201407	21_00008.jp
		Alle	A	
	Pal e			
	Va	1	H	

This is a photo of the control structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is a photo of the downstream side of the control structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is a photo of the upstream side of the control structure.

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category		Start		End		
Item	Photo Documentation			39.733767 °		39.733767 °
item				-121.771915 °		-121.771915 °
DWR ID DWR_NA0060_9_t _ 2012_1						
Action/Comments						
						-



This is a picture of the weir.

LM Start	0.00	Rating **	М	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
ltom	Item Vegetation & Obstructions			39.7337	67 °	39.733767 °
пеш				-121.7719 ⁻	15 °	-121.771915 °
DWR ID	DWR ID DWR_NA0060_9_t _ 2012_2					
Action/Comments						
		T				11.4

Inspector Comments: There is some vegetation, a few small trees, and some debris on the weir. The flow may be impeded.



This is a view looking downstream.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



This is a view looking upstream.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

& Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels	annels				End
Itom	Item Shoaling / Sedimentation			39.73376	67 °	39.733767 °
item				-121.77191	15 °	-121.771915 °
DWR ID DWR_NA0060_9_t _ 2012_3						
Action/Comments						
Inspector Comments: There is shoaling and sedimentation, the flow						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Itom	Item Erosion / Bank Caving			39.7337	67 °	39.733767	0
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_4				
		Action/	Comme	nts			
Inspector (Comments	: No erosion	observed	l.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels		Start		End	
Item	Revetments			39.7337	67°	39.733767 °
пеш				-121.7719	15 °	-121.771915 °
DWR ID	DWR_NA0	060_9_t _ 2012	_5			
Action/Comments						
Inspector (Inspector Comments: Riprap seamed to be in place and sufficient.					

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Encroachments			39.73376	67°	39.733767 °	
item				-121.7719 ⁻	15 °	-121.771915 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_6				
Action/Comments							
Inspector (Comments	: No encroach	nments c	bserved.			

No Photos

							Т
LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels		Start		End			
Item	Culverts: Inlets / Outlets		39.7337	67 °	39.733767	0	
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_7				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels					Start		
Item	Culverts: Breaks / Holes /			39.733767 °		39.733767	0
item	Cracks			-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_8				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Metal Pipes			39.7337	67 °	39.733767 °
пеш				-121.7719	15 °	-121.771915 °
DWR ID	DWR ID DWR_NA0060_9_t _ 2012_9					
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Item	Trash Racks			39.7337	67 °	39.733767 °
пеш				-121.7719	15 °	-121.771915 °
DWR ID	DWR_NA0	060_9_t _ 2012	_10			
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	GPS Latitude/Longitude			
Category	Channels			Start		End	
Itom	Item Flap Gates			39.7337	67 °	39.733767	0
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_11				
	Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	
							_

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End	
Item	Sluice/Slide Gates			39.7337	67 °	39.733767 °
пеш				-121.7719	15 °	-121.771915 °
DWR ID	DWR ID DWR_NA0060_9_t _ 2012_12					
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	13			
LM End	0.00	Issue Type +	Ма	Location *				
Catagoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Category				Start		End		
Item	Electric Gate Operators			39.73376	67 °	39.733767 °		
				-121.77191	5 °	-121.771915 °		
DWR ID	DWR_NA0060_9_t _ 2012_13							
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.	14					
LM End	0.00	Issue Type +	Ma	Location *						
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude						
				Start		End				
Item	Manual Gate Operators			39.7337	67 °	39.733767	0			
				-121.7719	15 °	-121.771915	٥			
DWR ID	DWR_NA0060_9_t _ 2012_14									
Action/Comments										
Inspector (Comments	: Manual gate	operato	rs appear t	o be	in good				

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start	Start		
Item	Concrete Surfaces			39.73376	67 °	39.733767 °	
item				-121.77191	15 °	-121.771915 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_15				
Action/Comments							
Inspector (Comments	: The concret	e surface	e appears to	be	in good	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category		Structures & Concrete Lined			tituc	le/Longitude
Calegory	Channels			Start	End	
Item	Concrete Tilting / Settlement			39.73376	67°	39.733767 °
пеш					15 °	-121.771915 °
DWR ID	DWR_NA0	060_9_t _ 2012	_16			
		Action/	Comme	nts		
Inspector Comments: No significant areas of tilting, sliding of settlement.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels		Start		End			
Item	Concrete Foundations			39.73376	67°	39.733767	0	
				-121.7719 ⁻	15 °	-121.771915	0	
DWR ID	DWR_NA0	060_9_t _ 2012	_17					
		Action/	Comme	nts				
Inspector Comments: The concrete foundation appears to be in good condition.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

condition.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Security Fencing			39.73376	67°	39.733767 °	
Item				-121.7719 ⁻	15 °	-121.771915 °	
DWR ID	/R ID						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete	Lined	GPS Latitude/Longitude			
Category	Charmers			Start		End	
Item	Closure S	Closure Structures			67°	39.733767	0
пеш					15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_19				
		Action/	Comme	nts			
Inspector Comments: The closure structure appears to be in good condition.							

No Photos

LM Start	0.00	Rating **	N	Issue No.	20			
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Trash Rakes			39.7337	67 °	39.733767	0	
item				-121.7719	15 °	-121.771915	0	
DWR ID	DWR_NA0	060_9_t _ 2012	_20					
	Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.							

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Other Metallic Items			39.73376	67 °	39.733767 °	
пеш				-121.7719 ⁻	15 °	-121.771915 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_21				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony		& Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels	Channels			Start		End	
Item	Monolith .	Ionolith Joints			67 °	39.733767	0	
				-121.7719	15 °	-121.771915	0	
DWR ID	DWR_NA0	060_9_t _ 2012	_22					
Action/Comments								
Inspector (Comments	: Monolith joir	nts appea	ar to be in g	jood	condition.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Category	o o Grianneis			Start		End	
Item	Safety	Safety			67 °	39.733767	0
				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_23				
		Action/	Comme	nts			
Inspector Comments: Hand rails are installed.							

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		n/a	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Operation & Maintenance		39.7337	67°	39.733767		
пеш	Manual			-121.7719	15 °	-121.771915 °	
DWR ID	R ID DWR_NA0060_9_t _ 2013_24						
Action/Comments							
Inconcetor (Inspector Comments: Sutter Maintenance Vard has a copy of the OSM						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
M&T Ranch Overflow Structure	

Structure Rating	Α
Date of Inspection	08/15/2014
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation			39.67469	90°	39.674690 °	
item				-121.94701	10 °	-121.947010 °	
DWR ID	DWR_NA0014_228_t _ 2013_1						
Action/Comments							

No Photos

LM Start	0.00	Rating **	М	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Category	Structures & Concrete Lined Channels			GPS La	titud	le/Longitude		
Calegory				Start		End		
Item	Vegetation & Obstructions			39.67469	90 °	39.674690 °		
item				-121.94701	13 °	-121.947013 °		
DWR ID	DWR_NA0	DWR_NA0014_228_t _ 2013_2						
Action/Comments								
Inconcetor (Commonto	Inchestor Comments: The vegetation should be enroyed back						

Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.



View of the vegetation that is next to the weir.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation			39.6746	90 °	39.674690	5
пеш				-121.9470	10 °	-121.947010	5
DWR ID	DWR_NA0014_228_t _ 2013_3						
Action/Comments							
Inspector Comments: There is no shoaling or sedimentation present.							

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Erosion / Bank Caving			39.668789°		39.668789 °	
пеш				-121.957170 °		-121.957170 °	
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_4						
Action/Comments							
Inspector (Inspector Comments: The soil erosion on the unstream side of the weir						

Inspector Comments: The soil erosion on the upstream side of the weir needs repair.



View of the erosion of the material that was placed on the upstream side of the weir.

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Revetments			39.67469	90 °	39.674690 °	
item				-121.9470°	10 °	-121.947010 °	
DWR ID	DWR_NA0014_228_t _ 2013_5						
Action/Comments							
Inspector Comments: Existing riprap protection is properly maintained.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category	Channels			Start		End	
Item	Encroachments			39.6746	90 °	39.674690	0
пеш				-121.9470	10 °	-121.947010	0
DWR ID	DWR_NA0014_228_t _ 2013_6						
Action/Comments							
Inspector Comments: There is no debris along the riprap.							

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
				Start		End	
Item	Culverts: Inlets / Outlets			39.67469	90 °	39.674690 °	
пеш					10 °	-121.947010 °	
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_7						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *	WS	
LIVI ETIU	0.00	10000 1 300 1	IVIA	Location		****
Structures & Concrete Lined				GPS La	tituc	le/Longitude
Channels			Start		End	
Item	Culverts: Breaks / Holes /			39.67469	90°	39.674690 °
item	Cracks			-121.94701	0°	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_8			
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ма	Location *	WS		
Catagony	s & Concrete I	GPS La	atitud	le/Longitude			
Category Channels			Start		End		
Item	Metal Pipes			39.6746	90°	39.674690 °	
пеш				-121.9470	10°	-121.947010 °	
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_9						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
				Start		End	
Item	Trash Racks			39.67469	90 °	39.674690 °	
пеш				-121.94701	10 °	-121.947010 °	
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_10						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start								
Category Structures & Concrete Lined GPS Latitude/Longitude	LM Start	0.00	Rating **	N	Issue No.	11		
Category Channels Start End Item Flap Gates 39.674690 ° 39.674690 ° -121.947010 ° -121.947010 ° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_11 Action/Comments	LM End	0.00	Issue Type +	Ma	Location *	WS		
Start End	Catagory				GPS La	atitud	de/Longitude	
Item	Channels			Start		End		
-121.947010 o -121.947010 o DWR_NA0014_228_t _ 2013_11	Itom	Item Flap Gates			39.6746	90°	39.674690	0
Action/Comments	пеш				-121.9470	10 °	-121.947010	0
	DWR ID	DWR_NA0	014_228_t _ 20	13_11				
Inspector Comments: This item does not apply to this inspection.	Action/Comments							
	Inspector Comments: This item does not apply to this inspection.							

No Photos

	LM Start	0.00	Rating **	N	Issue No.		12	
	LM End	0.00	Issue Type +	Ма	Location *	WS		
	Category Changels				GPS La	atitud	le/Longitude	
	Calegory	Channels			Start		End	
Sluice		Sluice/Sli	ce/Slide Gates		39.6746	90°	39.674690	0
	item				-121.9470	10°	-121.947010	0
	DWR ID	DWR_NA0	014_228_t _ 20	13_12				
	Action/Comments							
	Inspector Comments: This item does not apply to this inspection.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		13		
LM End	0.00	Issue Type +	Ma	Location *	WS			
Catagony		s & Concrete I	GPS Latitude/Longitude					
Channels				Start		End		
Item	Electric Gate Operators			39.67469	90 °	39.674690 °		
пеш				-121.9470°	10 °	-121.947010 °		
DWR ID	DWR ID DWR_NA0014_228_t _ 2013_13							
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category Structures & Concrete Lined Channels			GPS La	titud	de/Longitude		
			Start		End		
Itom	Item Manual Gate Operators			39.67469	90 °	39.674690 °	
item				-121.94701	10 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_14				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *	WS	
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End
Item	Concrete Surfaces			39.6746	90 °	39.674690 °
пеш				-121.9470	10 °	-121.947010 °
DWR ID	DWR_NA0	014_228_t _ 20	13_15			
Action/Comments						
Inspector Comments: There is no spalling or cracking at the site.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	No. 16		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete Tilting / Settlement			39.67469	90°	39.674690 °	
пеш				-121.9470°	10 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_16				
Action/Comments							
Inspector (Comments	: There are no	o signific	ant areas o	f tilti	ng at this site.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category	Structures & Concrete Lined Channels			GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Concrete	e Foundations		39.67469	90°	39.674690	0
item				-121.9470	10 °	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_17				
		Action/	Comme	nts			
Inspector (structure.	Inspector Comments: There is no erosion or undermining of the structure.						

No Photos

	LM Start	0.00	Rating **	N	Issue No.	18		
	LM End	0.00	Issue Type +	Ma	Location *	WS		
	Category	Structures & Concrete Lined			GPS Latitude/Longitude			
		Channels	Channels			Start		
	Item	Security Fencing			39.6746	90 °	39.674690	0
					-121.9470	10°	-121.947010	0
	DWR ID	DWR_NA0	014_228_t _ 20	13_18				
	Action/Comments							
	Inspector Comments: This item does not apply to this inspection.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Closure Structures			39.6746	90°	39.674690 °	
пеш				-121.9470	10 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_19				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			39.67469	90 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_20				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this i	insp	ection.	

No Photos

	LM Start	0.00	Rating **	N	Issue No.	21		
	LM End	0.00	Issue Type +	Ma	Location *	WS		
	Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
					Start		End	
	Item	Other Metallic Items			39.6746	90°	39.674690	0
					-121.9470	10 °	-121.947010	0
	DWR ID	DWR_NA0	014_228_t _ 20	13_21				
	Action/Comments							
	Inspector Comments: This item does not apply to this inspection.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		08/15/2014 08/15/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End		
Item	Monolith Joints			39.67469	90 °	39.674690 °	
пеш				-121.9470°	10 °	-121.947010 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_22				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Safety			39.6746	90°	39.674690	5
пеш				-121.9470	10 °	-121.947010 °	5
DWR ID	DWR_NA0	014_228_t _ 20	13_23				
Action/Comments							
Inspector (Comments	Sutter Maint	enance	Yard has a	safe	ety program in	_

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Operation & Maintenance			39.6746	90 °	39.674690	0
пеш	Manual	Manual			10 °	-121.947010	0
DWR ID	DWR_NA0	13_24					
Action/Comments							

No Photos

Inspector Comments: No O&M Manual containing operation and maintenance guidelines exists for this structure. Other documentation is being researched.

* Location LS : Land Side WS : Water Side CR : Crown

place.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Middle Creek Pumping Plant	

Pumping Plant Rating	Α
Date of Inspection	08/12/2014
DWR Inspector	Pavel Kazi
Accompanied By	Brian Stringer Sutter Maintenance Yard (DWR)

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Operating Log			39.142300 °		39.142300 °	
пеш				-122.90235	0°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_1							
Action/Comments							
Inconcetor (Commonto	. The eneration	n log w	oc un to data	\ <u></u>	d procent at	

Inspector Comments: The operation log was up to date and present at the pump station.



View of the operation log.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	ily _			Start		End	
Item	Operation & Maintenance			39.1423	00°	39.142300 °	
item	Manual			-122.9023	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_2				
Action/Comments							
Inspector Comments: The O&M manual was present at the pumping							

Photo 1 of 1: ST_2014_NA0060_17_2_20140709_00002.jpg 08/06/2013

View of the O&M manual.

Photo 1 of 2: ST_2014_NA0060_17_3_20140819_00018.jpg

LM Start	0.00	Rating **	М	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Plant Buil	ding		39.14230	00°	39.142300 °
пеш	item				50 °	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_3						
Action/Comments						

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.





View of the pumping plant.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.	3 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Plant Buil	ding		39.14230	00°	39.142300 °	
item				-122.9023	50 °	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_3							
Action/Comments							

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.



View of the settlement next to the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions	GPS La	GPS Latitude/Longitude			
Calegory	Category					End	
Item	Communications			39.14230	° 00	39.142300 °	
пеш				-122.9023	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_4				
Action/Comments							
Inspector Comments: A cellular phone is available for the pump station operator.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Safety			39.14230	00°	39.142300 °	
item				-122.90235	60°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_5							
Action/Comments							
Inonostor (Increase Commenter No sefety begand use present around the plant						

Inspector Comments: No safety hazard was present around the plant. All of the rail guards and fences were secured and in good condition.



View of the security fence and guard rails around the pumping plant.

Location LS : Land Side WS: Water Side CR : Crown

* Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	alegory			Start		End	
Item	Cranes			39.142300 °		39.142300 °	
item				-122.9023	50 °	-122.902350 °	
DWR ID	DWR ID DWR_NA0060_17_t _ 2013_6						
Action/Comments							
Inspector (Inspector Comments: A crane doesn't exist at this location.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory	gory			Start		End
Item	Pumps			39.142300	°	39.142300 °
пеш						-122.902350 °
DWR ID	DWR_NA0060_17_t _ 2012_7					
	Action/Comments					

Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.



View of the pumps.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of bottom of a pump.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		7 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations				atitud	le/Longitude
Calegory				Start		End
Item	Pumps	Pumps			00°	39.142300 °
item				-122.9023	50°	-122.902350 °
DWR ID	DWR_NA0	060_17_t _ 201	2_7			
Action/Comments						
Inspector Comments: The pumps appeared to be in good working						



View of the two of the three pumps.

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Item	Power			39.14230	° 00	39.142300 °	
item				-122.9023	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_8			·	
Action/Comments							
Inspector Comments: The power source appeared to be reliable and safe.							



View of the power source of the plant.

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category						End	
Item		Motors, Engines, Fans & Gear			00°	39.142300 °	
пеш	Reducers			-122.90235	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_10				
Action/Comments							
Inspector Comments: There were no motors or fans present at this plant other than the pumps.							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Pump Co	ntrol Systems		39.14230	00°	39.142300 °
item			-122.90235	50 °	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_11						
Action/Comments						

Inspector Comments: The pump control systems appeared to be operational and free of damage.



View of the pump control systems.

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Sumps/W	et Well		39.1423	00°	39.142300 °	
item				-122.9023	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	3_12				
Action/Comments							
Inspector Comments: Wet wells were clear of debris.							



View of the wet well.

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS La	titud	le/Longitude		
Category				Start	End		
Item	Trash Rad	cks		39.1423	00°	39.142300 °	
пеш				-122.9023	50 °	-122.902350 °	
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_13						
Action/Comments							
Inspector (Inspector Comments: Trash racks appeared to be in good condition						



View of the trash racks.

Location LS : Land Side WS: Water Side CR : Crown

and free of debris.

Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

FINAL DATA

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Pump Stations				GPS Latitude/Longitude				
Category						End		
Item	Trash Ral	kes		39.14230	00°	39.142300 °		
пеш				-122.90235	50 °	-122.902350 °		
DWR ID	DWR ID DWR_NA0060_17_t _ 2013_14							
Action/Comments								
Inspector Comments: A trash rake doesn't exist at this location.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS La	tituc	le/Longitude
				Start		End
Item	Sluice / S	lide Gates		39.1423	00°	39.142300 °
пеш				-122.9023	50 °	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2013_15						
Action/Comments						

Inspector Comments: The slide gates appeared to be in a good working condition.



View of the slide gates.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



An alternate view of the slide gates.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

or & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category	itions		GPS La	titud	le/Longitude		
Calegory				Start		End	
Item	Electric G	ate Operators	3	39.14230	00°	39.142300 °	
пеш				-122.90235	60°	-122.902350 °	
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_16						
Action/Comments							
Inspector (Inspector Comments: No electric gate operator was present in this plant.						

No Photos

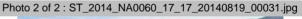
	I					_
LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations				GPS La	titud	le/Longitude
Category				Start		End
Item	Manual G	ate Operators	;	39.14230	00°	39.142300 °
item				-122.90235	60°	-122.902350 °
DWR ID	DWR_NA0	060_17_t _ 201	2_17			
Action/Comments						
Inspector (Comments	: The manual	gate ope	erators appe	eare	ed to be in

Photo 1 of 3	2 : ST_201	4_NA0060_17	_17_20140	819_00030.jpg	
	The second	THE REAL PROPERTY.	and the		



View of one of the manual operators at the plant.

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of a manual operator at the plant.

* Location LS : Land Side WS : Water Side CR : Crown

good working condition.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS La	titud	le/Longitude	
Calegory	alegory					End	
Item	Other Metallic Items				00°	39.142300 °	
пеш				-122.90235	50 °	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_18				
Action/Comments							
Inspector (Inspector Comments: All other metallic parts appeared to be in good						

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Location * 0.00 Ma LM End **Pump Stations** GPS Latitude/Longitude Category Flap Gates 39.142300° 39.142300° Item -122.902350 ° -122.902350 ° DWR ID DWR NA0060 17 t 2013 19

Action/Comments

Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 20 LM End 0.00 Issue Type + Ma Location * Pump Stations GPS Latitude/Longitude Category Start Fnd Closure Structures 39.142300° 39.142300 ° Item -122.902350 ° -122.902350 DWR ID DWR_NA0060_17_t _ 2012_20 Action/Comments Inspector Comments: No closure structure exists in this plant.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		08/12/2014 08/12/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS La	titud	le/Longitude	
Calegory	y			Start		End	
Item	Security Fencing			39.14230	00°	39.142300 °	
item				-122.90235	60°	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_21				
Action/Comments							
Inspector Comments: Security fencing appeared to be in good condition.							



View of the security fencing around the plant.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions		GPS Lat	ituc	de/Longitude		
Category				Start		End	
Item	Intake and	Intake and Discharge Pipes			o °	39.142300 °	
пеш				-122.90235	°	-122.902350 °	
DWR ID	DWR_NA0	060_17_t _ 201	2_22				
	Action/Comments						
Inspector Comments: The pipes appeared to be in good working condition.							



View of the intake pipes at the pumping plant.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Moulton Weir	

Structure Rating	Α
Date of Inspection	07/08/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	titud	le/Longitude
Calegory				Start		End
Item	Photo Documentation			39.33824	12 °	39.338242 °
item				-122.02207	73 °	-122.022073 °
DWR ID	DWR_NA0060_4_t _ 2012_1					
Action/Comments						



This is a view of the Moulton Weir taken from the right bank levee.

LM Start	0.00	Rating **	Ν	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is a upstream view of the Moulton Weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is a downstream view of the Moulton Weir.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation & Obstructions			39.33824	12 °	39.338242 °	
пеш				-122.02207	73 °	-122.022073 °	
DWR ID	R ID DWR_NA0060_4_t _ 2012_2						
Action/Comments							
Inspector (Inspector Comments: Minimal, scattered obstructions or vegetation.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels			ncrete Lined GPS Latitude/Longitude				
Calegory				Start		End		
Item	Shoaling / Sedimentation			39.3382	42 °	39.338242	0	
пеш				-122.0220	73 °	-122.022073	0	
DWR ID	DWR_NA0	060_4_t _ 2012	_3					
Action/Comments								
Inspector Comments: No shoaling or sedimentation present.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS Latitude/Longitude					
Calegory	Channels		Start		End		
Item	Erosion /	Bank Caving	39.3382	42 °	39.338242	0	
пеш					73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_4				
Action/Comments							
		: No active er verward side			g ob	served on the	÷

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Lat	ituc	le/Longitude	
Calegory	Channels	Start		End			
Item	Revetmer	nts		39.33824	2°	39.338242	0
пеш				-122.02207	3°	-122.022073	0
DWR ID	DWR_NA0060_4_t _ 2012_5						
	Action/Comments						

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

Rating ** LM Start 0.00 Issue No. Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_6 Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS La	tituc	le/Longitude
Calegory	Channels	Channels				End
Item	Culverts:	Inlets / Outlets	S	39.33824	2 °	39.338242 °
item				-122.02207	'3 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_7			
	Action/Comments					
Inspector (Comments	: This item do	es not a	pply to this i	nsp	ection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item		Breaks / Hole	s/	39.33824	12 °	39.338242 °	
пеш	Cracks			-122.02207	′3 °	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_8				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	Lined GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Metal Pip	es		39.338242 °		39.338242 °
item				-122.02207	'3 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_9			
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.3382	42 °	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_10				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	pection.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	Lined	GPS La	GPS Latitude/Longitude			
Calegory	Channels	nels Start				End		
Item	Flap Gate	s		39.3382	42 °	39.338242 °		
item				-122.0220	73 °	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_11					
Action/Comments								
Inspector (Inspector Comments: This item does not apply to this inspection.							

No Photos

LM Start	0.00	Rating **	N	Issue No.			12	
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	Lined	GPS Latitude/Longitude				
Calegory	Channels			Start			End	
Item	Sluice/Sli	de Gates		39.338242 °		0	39.338242	0
item				-122.02207	73	0	-122.022073	۰
DWR ID	DWR_NA0	060_4_t _ 2012	_12					
Action/Comments								
Inspector (Inspector Comments: This item does not apply to this inspection.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Electric G	Electric Gate Operators		39.338242 °		39.338242	0
item				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_13				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		14		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Item	Manual G	Manual Gate Operators			12 °	39.338242 °		
пеш				-122.02207	′3 °	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_14					
Action/Comments								
Inspector (Inspector Comments: This item does not apply to this inspection.							

No Photos

Issue No. LM Start 0.00 Rating ** Α 15 Issue Type + Location * 0.00 Ma LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Surfaces 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_15 DWR ID Action/Comments Inspector Comments: Negligible spalling, scaling or cracking.

No Photos

Rating ** Issue No. LM Start 0.00 16 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Tilting / Settlement 39.338242 ° 39.338242 Item -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_16 Action/Comments Inspector Comments: There are no significant areas of tilting, sliding or

No Photos

settlement that would endanger the integrity of the project.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Concrete Foundations		39.33824	2°	39.338242		
пеш	item			-122.02207	'3 °	-122.022073	
DWR ID	DWR_NA0060_4_t _ 2012_17						
	Action/Comments						

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

LM Start 0.00 Rating ** Issue No. 18 Issue Type + Location * LM End 0.00 Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_18 Action/Comments

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

No Photos

LM Start 0.00 Rating ** Ν Issue No. 19 Location * 0.00 Issue Type + Ма LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR_NA0060_4_t _ 2012_19 Action/Comments Inspector Comments: This item does not apply to this inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category		Start		End		
Item	Trash Ral	Trash Rakes			42 °	39.338242 °	
пеш				-122.0220	73 °	-122.022073 °	
DWR ID	DWR ID DWR_NA0060_4_t _ 2012_20						
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		21		
LM End	0.00	Issue Type +	Ма	Location *				
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Other Metallic Items		39.33824	12 °	39.338242 °			
item				-122.022073 °		-122.022073 °		
DWR ID	DWR ID DWR_NA0060_4_t _ 2012_21							
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS La	atitud	le/Longitude			
Calegory	Channels			Start		End		
Itom	Item Monolith Joints		39.338242 °		39.338242	0		
пеш				-122.022073 °		-122.022073	0	
DWR ID	DWR_NA0	060_4_t _ 2012	_22					
Action/Comments								
Inspector Comments: The monolith joint material is in good condition.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		07/08/2014 07/08/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Itom	Safety			39.3382	42 °	39.338242	0
пеш	Item			-122.0220	73 °	-122.022073	0
DWR ID	DWR ID DWR_NA0060_4_t _ 2012_23						
Action/Comments							

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS La	atituc	de/Longitude			
Calegory	Category Channels		Start		End			
Item	Operation & Maintenance		39.3382	42 °	39.338242	0		
пеш	Manual			-122.0220	73 °	-122.022073	0	
DWR ID DWR_NA0060_4_t _ 2013_24								
Action/Comments								
Inanantari	Cammanta	. C	,	Vard bas a		of the OOM		

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Nelson Bend	

Structure Rating	Α
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1							
LM End	0.00	Issue Type +	Ma	Location *									
Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude								
			Start		End								
Item	Photo Do	cumentation		38.89550	00°	38.887450 °							
пеш				-121.61695	0°	-121.615330 °							
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_1												
Action/Comments													
		N 10	0.00==0	101 01005	_								

Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533



This photo was taken looking upstream from the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



This photo was taken looking downstream from the weir.

Photo 3 of 3: ST_2014_NA0060_54_1_20140721_00008.jpg

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



This view is from the north end of the structure looking south.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected 4/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels				Start E	
Item	Vegetation & Obstructions			38.89550	0 °	38.887450 °
пеш				-121.61695	° 0	-121.615330 °
DWR ID DWR_NA0060_54_t _ 2012_2						
Action/Comments						
Inspector Comments: Minimal, scattered obstructions or vegetation.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Category				Start		End		
Item	Shoaling / Sedimentation			38.8955	00°	38.887450	0	
пеш				-121.6169	50 °	-121.615330	0	
DWR ID DWR_NA0060_54_t _ 2012_3								
Action/Comments								
Inspector Comments: No shoaling or sedimentation present.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ма	Location *				
Category		Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item Erosion / E		Bank Caving		38.8955	00°	38.887450 °		
пеш				-121.6169	50 °	-121.615330 °		
DWR ID DWR_NA0060_54_t _ 2012_4								
Action/Comments								
Inspector Comments: No active erosion or bank caving observed on the								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

landward or on the waterside of the levee / channel.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start E		End
Item	Revetmer	nts		38.89550	0 °	38.887450
пеш				-121.61695	0 °	-121.615330
DWR ID	DWR_NA0060_54_t _ 2012_5					
	Action/Comments					

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude	
			Start		End	
Item	Encroachments		38.8955	° 00	38.887450 °	
пеш				-121.6169	50 °	-121.615330 °
DWR ID DWR_NA0060_54_t _ 2012_6						
Action/Comments						
			all a land a			

Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.

No Photos

	LM Start	0.00	Rating **	N	Issue No.		7	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End		
	Culverts: Inlets / Outlets			38.8955	00°	38.887450	0	
	item				-121.6169	50 °	-121.615330	0
	DWR ID	DWR_NA0	060_54_t _ 201	2_7				
	Action/Comments							
	Inspector Comments: Item does not exist on this structure							

No Photos

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Culverts: Breaks / Holes /			38.89550	0 °	38.887450 °
пеш	Cracks			-121.61695	0 °	-121.615330 °
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_8					
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struct	ure	

No Photos

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Catagory	Category Structures & Concrete Lined Channels			GPS La	titud	de/Longitude
Calegory				Start		End
Item	Metal Pipes			38.89550	00°	38.887450 °
item				-121.61695	60°	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_9			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	e/Longitude	
Calegory	Channels			Start		End
Trash Racks			38.8955	00 °	38.887450 °	
пеш				-121.6169	50 °	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_10			
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start	End		
Item	Flap Gates			38.89550	00°	38.887450 °
item				-121.61695	0°	-121.615330 °
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_11					
Action/Comments						
Inspector (Comments	: Item does n	ot exist c	n this struct	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ма	Location *		
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Category				Start		End
Item	Sluice/Slide Gates			38.89550	00°	38.887450 °
Item				-121.61695	60°	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_12			
Action/Comments						
Inspector (Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude	
			Start		End	
Item Electric Gate		ate Operators	3	38.8955	00°	38.887450 °
item				-121.6169	50 °	-121.615330 °
DWR ID	DWR_NA0	060_54_t _ 201	2_13			
Action/Comments						
Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Manual Gate Operators			38.8955	00 °	38.887450 °	
пеш				-121.6169	50 °	-121.615330 °	
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_14						
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	n this struc	ture		

No Photos

LM Start	0.00	Rating **	N	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels		Start		End		
Item	Concrete Surfaces		38.8955	° 00	38.887450	0	
пеш				-121.6169	50 °	-121.615330	0
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_15						
Action/Comments							
Inspector (Comments	: Item does n	ot exist o	on this struc	ture).	

No Photos

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement			38.8955	00 °	38.887450 °	
пеш				-121.6169	50 °	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_16				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Concrete Foundations			38.89550	00°	38.887450 °
Item				-121.61695	50 °	-121.615330 °
DWR ID DWR_NA0060_54_t _ 2012_17						
Action/Comments						
Inspector (Comments	: Item does n	ot exist o	on this struc	ture	

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atituc	le/Longitude		
Category	Channels			Start		End	
Item	Security Fencing			38.8955	00 °	38.887450	٥
Item				-121.6169	50 °	-121.615330	٥
DWR ID	DWR_NA0	060_54_t _ 201	2_18				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

	LM Start	0.00	Rating **	N	Issue No.		19	
	LM End	0.00	Issue Type +	Ma	Location *			
	Structures & Concrete Lined			GPS La	atitud	de/Longitude		
Category Channels				Start		End		
	Closure Structures		38.8955	00°	38.887450	0		
	item				-121.6169	50°	-121.615330	0
	DWR ID	DWR_NA0	060_54_t _ 201	2_19				
	Action/Comments							
	Inspector (Comments	: Item does n	ot exist c	n this struc	ture).	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category			Start		End		
Item	Trash Rakes			38.89550	0 °	38.887450 °	
item				-121.61695	° 0	-121.615330 °	
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_20						
Action/Comments							
Inspector (Comments	: Item does n	ot exist c	n this struct	ure		

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS La	tituc	de/Longitude		
Calegory	Channels			Start		End	
Item	Other Metallic Items			38.89550	00°	38.887450 °	
пеш				-121.61695	0°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_21				
Action/Comments							
Inspector (Inspector Comments: Item does not exist on this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Monolith Joints			38.8955	00°	38.887450 °	
пеш				-121.6169	50 °	-121.615330 °	
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_22						
Action/Comments							
Inspector	Comments	: Item does n	ot exist o	on this struc	ture		

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels			Start		End
Item	Safety			38.89550	00°	38.887450 °
пеш	tem			-121.61695	50 °	-121.615330 °
DWR ID	DWR ID DWR_NA0060_54_t _ 2012_23					
Action/Comments						
Inspector Comments: No hazards present.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Item Operation & Maintenance Manual			38.8955	° 00	38.887450	0
пеш				-121.6169	50 °	-121.615330	0
DWR ID DWR_NA0060_54_t _ 2013_24							
Action/Comments							

No Photos

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

Flood Control Project Maintenance

Unit Cover Sheet

2014 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	A
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory	У			Start		End
Item	Operating Log			38.9318	15 °	38.931815 °
item				-121.6343	31 °	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_1						
Action/Comments						
Inspector Comments: The operating log is kept on site.						



View of the operating log and telephone.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	y			Start		End	
Item	Operation & Maintenance			38.9318	15 °	38.931815 °	
item	Manual				31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_2						·	
Action/Comments							

Inspector Comments: The O & M manual is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Plant Building			38.93181	5 °	38.931815 °
item				-121.63433	1°	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_3						
Action/Comments						

Inspector Comments: Plant building is mostly complete and appears to be in good working order. The project is currently under construction.



View of plant building under construction.

* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	y			Start		End	
Item	Communications			38.93181	5 °	38.931815	0
пеш				-121.63433	1°	-121.634331	0
DWR ID	/R ID DWR_NA0060_21_t _ 2012_4						
Action/Comments							

Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operatin system (SCADA) is currently being tested and should be ready by the start of flood season.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
			Start		End	
Item	Safety			38.9318 ⁻	15 °	38.931815 °
пеш				-121.63433	31 °	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_5						
Action/Comments						

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear).



View of the fire extinguisher and emergency shutoff switch.

LM Start	0.00	Rating **	N	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Cranes			38.9318 ⁻	15 °	38.931815 °	
пеш			-121.63433	31 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_6				
Action/Comments							
Inspector (Inspector Comments: Cranes are not present at this site.						

No Photos

Tuesday, October 14, 2014 09:52

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Pumps			38.9318 ⁻	15 °	38.931815 °	
item				-121.63433	31 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_7				
Action/Comments							
Inspector (Comments	: Pumps appe	ear to be	properly ma	aint	ained and in	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Power			38.9318	15 °	38.931815 °	
пеш			-121.6343	31 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_8				
Action/Comments							
Inspector (Inspector Comments: The structure is on the grid with emergency						

backup generator.



View of the emergency backup generator.

LM Start	0.00	Rating **	Α	Issue No.	10			
LM End	0.00	Issue Type +	Ma	Location *	*			
Category Pump Stations			GPS La	tituc	le/Longitude			
Calegory				Start		End		
Item	Motors, Engines, Fans & Gear			38.93181	5 °	38.931815 °		
пеш	Reducers			-121.63433	81 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_10					
Action/Comments								
Inspector Comments: These items appear to be maintained and in operating condition.								



Photo shows pump motors, which appear to be in operating condition.

Location LS : Land Side WS: Water Side CR : Crown

working condition.

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

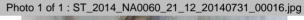
0.00	Rating **	Α	Issue No.	11		
0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude			
			Start		End	
Pump Co	ntrol Systems		38.93181	5 °	38.931815 °	
			-121.63433	1 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_11						
Action/Comments						
	0.00 Pump Sta	0.00 Issue Type + Pump Stations Pump Control Systems DWR_NA0060_21_t _ 2012	0.00 Issue Type + Ma Pump Stations Pump Control Systems DWR_NA0060_21_t_ 2012_11	0.00 Issue Type + Ma Location * Pump Stations GPS Lat Start Start Pump Control Systems 38.93181 -121.63433 DWR_NA0060_21_t _ 2012_11	0.00 Issue Type + Ma Location * Pump Stations GPS Latitude Start Pump Control Systems 38.931815 ° -121.634331 ° DWR_NA0060_21_t _ 2012_11	

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the control room.

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Sumps/Wet Well			38.9318	15 °	38.931815 °		
пеш				-121.6343	31 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_12				
Action/Comments							
Inspector (Inspector Comments: Sumps are clear and free of debris.						





View of the wet well.

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Pump Stations			GPS La	titud	le/Longitude	
Category				Start		End	
Item	Trash Rad	cks	38.93181	15 °	38.931815 °		
item			-121.63433	31 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_13				
Action/Comments							
Inspector Comments: No debris present on trash racks, they appear to be in good condition.							



Photo shows properly maintained trash racks.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Trash Rakes			38.93181	15 °	38.931815 °	
пеш					31 °	-121.634331 °	
DWR ID	WR ID DWR_NA0060_21_t _ 2012_14						
	Action/Comments						
Inspector (Comments	: No trash rak	e at this	site.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Catagory Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Sluice / Slide Gates		38.9318	15 °	38.931815	0	
пеш		-121.6343	31 °	-121.634331	0		
DWR ID	DWR_NA0	060_21_t _ 201	2_15				
	Action/Comments						
Inspector (Comments	: Sluice gates	appear	to be in god	od w	orking order.	

No Photos

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory		Start		End			
Item	Electric G	Electric Gate Operators			15 °	38.931815	0
пеш				-121.6343	31 °	-121.634331	0
DWR ID	DWR_NA0	060_21_t _ 201	2_16				
		Action/	Comme	nts			
Inconcetor (Commonto	. This item do	oo not o	urronthy onr	slv. I	Motoro to	

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category		Start		End			
Item	Manual G	Manual Gate Operators			5 °	38.931815 °	
item					31 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_17				
Action/Comments							
Inspector (Comments	· Manual nate	onerato	rs annear to	he	in good	

Inspector Comments: Manual gate operators appear to be in good working condition.

Photo 1 of 1: ST_2014_NA0060_21_17_20140731_00018.jpg



Photo shows sluice gate operators. Note: Operators can be operated either mechanically or manually.

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS La	le/Longitude			
Category			Start		End		
Item	Other Met	Other Metallic Items			15 °	38.931815 °	
пеш				-121.63433	31 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_18				
Action/Comments							
Inonostor (~~~~~	. Those items		to bo in acc		andition and	

Inspector Comments: These items appear to be in good condition and should not prevent the structure from performing as intended.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Pump Stations			GPS Latitude/Longitude			
Category			Start		End		
Item	Flap Gates			38.9318	5 °	38.931815 °	
пеш			-121.63433	31 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_19				
		Action/	Comme	nts			
	Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.						



Photo shows flap gates and concrete outfall structure.

Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Sta	tions		GPS Latitude/Longitude				
Calegory	ategory			Start		End		
Item	Closure S	Closure Structures			15 °	38.931815 °		
item				-121.6343	31 °	-121.634331 °		
DWR ID	DWR_NA0	060_21_t _ 201	2_20					
	Action/Comments							
Inspector	Comments	: No closure s	structure	present at	this	location.		

No Photos

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Security F	Security Fencing			5 °	38.931815 °	
item				-121.63433	81 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_21				
	Action/Comments						
Inspector (Comments	: Site is curre	ntly secu	red by a ma	asoı	nry brick wall.	



Photo shows masonry brick wall which encloses the pump plant.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions	GPS Lat	atitude/Longitude			
Calegory	′			Start		End	
Itom	Intake and Discharge Pipes			38.93181	5°	38.931815 °	
пеш	Item				1°	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_22				
		Action/	Comme	nts			
Inspector (condition.	Comments	: No visible de	eficiencie	es observed	in 1	the pipe's	

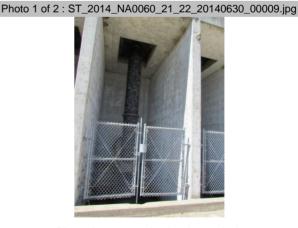


Photo shows pump intake pipe, typical.

Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		22 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	ıy			Start		End	
Item	Intake and	Intake and Discharge Pipes			15 °	38.931815 °	
item				-121.6343	31 °	-121.634331 °	
DWR ID	DWR_NA0	060_21_t _ 201	2_22				
Action/Comments							
Inspector Comments: No visible deficiencies observed in the pipe's							

condition.



View of the intake wells.

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 2	

Pumping Plant Rating	Α
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		1			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Pump Sta	tions		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Operating	39.0264	49 °	39.026449					
item				-121.7269	37 °	-121.726937			
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_1								
Action/Comments									
Inspector (Inspector Comments: Operation log is located at the site.								



View of the operating log.

LM Start	0.00	Rating **	Α	Issue No.		2	
LIVI Start	0.00						
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS La	tituc	le/Longitude		
Category						End	
Item		Operation & Maintenance			9 °	39.026449 °	
пеш	Manual			-121.72693	7 °	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_2				
Action/Comments							
	Inspector Comments: O & M Manual is not at the site due to construction: O & M manual is being kept at Sutter Yard.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Pump Stations				GPS Latitude/Longitude				
Calegory	Category					End		
ltom	Plant Buil	ding		39.0264	19 °	39.026449	٥	
пеш	Item					-121.726937	0	
DWR ID DWR_NA0060_22_t _ 2012_3								
Action/Comments								

Inspector Comments: Plant building is currently under construction. Minor concrete spalling has been noted but it should not prevent the structure from performing as intended.

D2-V51-V20M

Photo 1 of 1: ST_2014_NA0060_22_3_20140731_00012.jpg

View of the exposed rebar. LMA noted the deficiency and will repair by next inspection.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected /W : Acceptable but Monitor & Maintain + Issue Type

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *				
Category	itions	GPS Latitude/Longitude						
Calegory	gory			Start		End		
Item	Communi	cations		39.0264	49 °	39.026449 °		
пеш				-121.7269	37 °	-121.726937 °		
DWR ID DWR_NA0060_22_t _ 2012_4								
	Action/Comments							

Inspector Comments: Operator has two-way radio and celluar phone available to them. The remote control system is currently being tested and should be ready by the start of flood season.



View of the on-site telephone.

LM Start	0.00	Rating **	Α	Issue No.		5		
LM End	0.00	Issue Type +	Ма	Location *				
Category	itions	GPS Latitude/Longitude						
Calegory	legory			Start		End		
Item	Safety			39.0264	49 °	39.026449	0	
пеш				-121.7269	37 °	-121.726937	0	
DWR ID DWR_NA0060_22_t _ 2012_5								
	Action/Comments							

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.



View of the emergency shutoff switch and fire extinguisher.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Calegory	ry			Start		End	
Item	Cranes			39.02644	19 °	39.026449 °	
пеш				-121.72693	37 °	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_6				
Action/Comments							
Inspector Comments: Cranes are not present at this site.							

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		7			
LM End	0.00	Issue Type +	Ma	Location *					
Category	tions	GPS La	titud	le/Longitude					
Calegory		Start		End					
Item	Pumps				19 °	39.026449 °			
пеш				-121.72693	37 °	-121.726937 °			
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_7								
Action/Comments									
Inspector (Comments	: Pumps appe	ear to be	in good wor	rkin	g order.			

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item	Power			39.0264	49 °	39.026449 °	
пеш				-121.7269	37 °	-121.726937 °	
DWR ID	ID DWR_NA0060_22_t _ 2012_8						
Action/Comments							

Inspector Comments: The structure is on the grid with emergency backup generator.



View of the emergency backup generator and fuel.

LM Start	0.00	Rating **	Α	Issue No.	10			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Sta	tions		GPS Latitude/Longitude				
Calegory				Start		End		
Item		ngines, Fans	& Gear	39.02644	9°	39.026449 °		
пеш	Reducers			-121.72693	7 °	-121.726937 °		
DWR ID	DWR_NA0	060_22_t _ 201	2_10					
	Action/Comments							
Inspector Comments: These items appear to be maintained and in operating condition.								



View of the pump motors.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Category	itions	GPS Lat	ituc	le/Longitude		
Calegory			Start End			
Item	Pump Co	ntrol Systems		39.02644	9 °	39.026449 °
пеш				-121.72693	7 °	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_11						
	Action/Comments					

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the pump controls.

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	Sumps/W	et Well		39.0264	19 °	39.026449 °
item				-121.72693	37 °	-121.726937 °
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_12					
Action/Comments						
Inchector (Ommonts	· Vegetation r	noted in	one (of siv)	eum	ne hut thic

Inspector Comments: Vegetation noted in one (of six) sumps, but this does not appear to be enough to inhibit pump operation.



Photo shows one sump with vegetation present.

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS Latitude/Longitude		
Calegory			Start		End	
Item	Trash Rad	cks		39.0264	49 °	39.026449 °
item				-121.7269	37 °	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201	2_13			
Action/Comments						
Inspector (Inspector Comments: Trash rack is secure and free of debris.					



View of the trash racks.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Ral	ces		39.02644	9°	39.026449 °	
item				-121.72693	7 °	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_14				
	Action/Comments						
Inspector (Inspector Comments: No trash rake at this site.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	Start				End		
Item	Sluice / S	lide Gates		39.0264	49 °	39.026449 °	
пеш				-121.7269	37 °	-121.726937 °	
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_15						
	Action/Comments						
Inspector (Comments	· Sluice nates	annear	to he prope	rlv r	maintained	

No Photos

and operational.

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Lat	ituc	le/Longitude		
Category				Start		End	
ltom	Electric G	ate Operators	3	39.02644	9 °	39.026449	0
пеш	Item				7 °	-121.726937	0
DWR ID DWR_NA0060_22_t _ 2012_16							
		Action/	Comme	nts			

No Photos

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category	tions	GPS Lat	itud	e/Longitude		
Calegory			Start			End
Item	Manual G	ate Operators	i	39.02644	9 °	39.026449 °
пеш				-121.72693	7 °	-121.726937 °
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_17					
Action/Comments						
Inchector (Ommonte	· Manual date	operato	re annear to	ho	in good

Inspector Comments: Manual gate operators appear to be in good working condition.



Photo shows controls for sluice gates.

LM Start	0.00	Rating **	Α	Issue No.		18
LM End	0.00	Issue Type +	Ма	Location *		
Category	itions		GPS Latitude/Longitude			
Calegory	Calegory			Start		End
Item	Other Met		39.0264	49 °	39.026449 °	
пеш				-121.7269	37 °	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201	2_18			
Action/Comments						
Inspector (Inspector Comments: All other metal parts that were visible are					

corrosion protected.



View of the damaged grate.

LM Start	0.00	Rating **	Α	Issue No.	19			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory			Start		End			
Itom	Item Flap Gates			39.026449 °		39.026449 °		
пеш				-121.726937 °		-121.726937 °		
DWR ID DWR_NA0060_22_t _ 2012_19								
Action/Comments								
L	Language Community Floring to the control of the co							

Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.



View of the flap gates.

Location LS : Land Side WS: Water Side CR : Crown

Rating

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	,			Start		End	
Item	Closure Structures			39.026449 °		39.026449 °	
item			-121.72693	37 °	-121.726937 °		
DWR ID DWR_NA0060_22_t _ 2012_20							
Action/Comments							
Inspector Comments: No closure structure present at this location.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Security Fencing			39.026449 °		39.026449 °	
item				-121.726937 °		-121.726937 °	
DWR ID	DWR ID DWR_NA0060_22_t _ 2012_21						
Action/Comments							
Inspector (Inspector Comments: Site is currently secured by a masonry brick wall.						



Photo shows masonry block wall which encloses the site.

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Intake and Discharge Pipes		39.026449 °		39.026449 °		
item					37 °	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_22				
Action/Comments							
Inspector Comments: No visible deficiencies observed in the pipe's condition.							



View of the intake structure.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

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Flood Control Project Maintenance

Unit Cover Sheet

2014 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 3	

Pumping Plant Rating	Α
Date of Inspection	07/31/2014
DWR Inspector	Maksim Khashchuk
Accompanied By	Paul Casillas DWR Sutter Mnt Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta		GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Operating Log			39.120096 °		39.120096 °	
item			-121.779234 °		-121.779234 °		
DWR ID DWR_NA0060_23_t _ 2012_1							
Action/Comments							
Inspector Comments: Operation log is at the site.							



View of the Operating Log.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Operation & Maintenance			39.120096°		39.120096 °	
Manual				-121.779230 °		-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_2							
Action/Comments							
Inspector Comments: O & M manual is not at the site due to construction: O & M manual is being kept at Sutter Yard							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Plant Building			39.120096 °		39.120096 °		
item				-121.77923	30 °	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_3							
Action/Comments							
Inspector Comments: Plant building appears to be in good working condition. The project is currently under construction.							



View of the Plant control building.

* Location

LS : Land Side

WS : Water Side

CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	mp Stations			GPS Latitude/Longitude		
Calegory						End	
Item	Communi	cations		39.12009	6°	39.120096 °	
пеш					°	-121.779230 °	
DWR ID	DWR_NA0	60_23_t _ 2012_4					
Action/Comments							

Action/Comments

Inspector Comments: Operator has two-way radio and celluar phone available to them. The remote control operation system (SCADA) is currently being tested and should be ready by the start of flood season.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Safety			39.1200	96 °	39.120096	0
пеш				-121.7792	30 °	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201					
	Action/Comments						

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.

No Photos

LM Start	0.00	Rating **	N	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory	ory			Start		End
Item	Cranes	Cranes			96 °	39.120096 °
item				-121.77923	80 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_6			
Action/Comments						
Inspector Comments: Cranes are not present at this site.						

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	itions	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Pumps	umps			96 °	39.120096 °	
пеш				-121.7792	30 °	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_7				
Action/Comments							
Inspector Comments: Pumps appear to be properly maintained and in							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Power	Power			96 °	39.120096 °
пеш				-121.77923	80 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_8			
Action/Comments						
Inspector (Comments	: The structur	e is on tl	ne grid with	eme	ergency

generator backup.



View of the emergency backup generator.

LM Start	0.00	Rating **	Α	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory						End
Item		Motors, Engines, Fans & Gear			6°	39.120096 °
пеш	Reducers			-121.77923	0 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_10			
Action/Comments						
Inspector Comments: These items appear to be maintained and in operating condition.						



Photo shows motors which appear to be maintained and in good working condition.

Location LS : Land Side WS: Water Side CR : Crown

working condition.

** Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

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Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

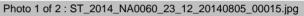
LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Pump Co	Pump Control Systems			96 °	39.120096°
item				-121.77923	30 °	-121.779230 °
DWR ID DWR_NA0060_23_t _ 2012_11						
Action/Comments						
Inchector (Inspector Comments: Pump control systems on site are new and					

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the pump control panels.

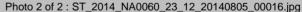
LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ма	Location *		
Category	tions		GPS Latitude/Longitude			
Calegory				Start		End
Item	Sumps/Wet Well			39.1200	96 °	39.120096 °
item				-121.7792	30 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_12			
Action/Comments						
Inspector Comments: Sumps are clear and free of debris.						





View of the wet well.

LM Start	0.00	Rating **	Α	Issue No.	12 (cont)
I M End	0.00	Issue Type +	Ma	Location *	





View of the wet wells with controlled access.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rad	cks	39.1200	96 °	39.120096 °		
пеш				-121.7792	779230 ° -121.779230 °		
DWR ID	DWR_NA0	060_23_t _ 201	2_13				
Action/Comments							
Inspector Comments: No debris present on trash racks, they appear to							



Photo shows trash rack free of debris and other material.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Category				Start		End	
Item	Trash Ral	ash Rakes			96 °	39.120096 °	
item				-121.77923	30 °	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_14				
Action/Comments							
Inspector Comments: No trash rake at this site.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory		Start			End		
Item	Sluice / S	uice / Slide Gates		39.12009	96 °	39.120096 °	
Item				-121.77923	30 °	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_15				
Action/Comments							
Inspector (Inspector Comments: Sluice gates appear to be in good working order.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Electric G	Electric Gate Operators			6°	39.120096 °	
Item				-121.77923	° 0	-121.779230 °	
DWR ID	DWR_NA0060_23_t _ 2012_16						
Action/Comments							
1	Increased Comments the decided and analysis are considered as a second						

Inspector Comments: Item does not apply, gate operators are manual only.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Manual G	Manual Gate Operators			96 °	39.120096 °	
пеш				-121.77923	80 °	-121.779230 °	
DWR ID	DWR ID DWR_NA0060_23_t _ 2012_17						
Action/Comments							
Inchector (Inspector Comments: Manual gate operators appear to be in good						

Inspector Comments: Manual gate operators appear to be in good working condition.



Photo shows manual gate operators.

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Other Met	tallic Items		39.12009	6°	39.120096 °	
пеш				-121.77923	0 °	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_18				
Action/Comments							
Inspector (Inspector Comments: All other metal parts that were visible are						

No Photos

corrosion protected.

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	19		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Flap Gate	ap Gates			6°	39.120096 °	
пеш				-121.77923	o°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_19							
Action/Comments							
Inspector (Omments	· Flan nates a	nnear to	he in prope	r \//	orking	

Inspector Comments: Flap gates appear to be in proper working condition, they show no signs of corrosion or damage.



Photo shows flap gates and concrete outfall structure.

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations					le/Longitude	
Calegory				Start		End	
Item	Closure S	Closure Structures			96 °	39.120096 °	
item				-121.7792	30 °	-121.779230 °	
DWR ID	DWR_NA0	060_23_t _ 201	2_20				
Action/Comments							
Inspector (Inspector Comments: No closure structure present at this location.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Security F	encing	39.12009	6 °	39.120096 °	
пеш				-121.77923	0 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_21			
Action/Comments						
Inspector Comments: Site is currently secured by a masonry brick wall.						



Photo shows masonry brick wall which encloses the entire structure.

* Location LS: Land Side WS: Water Side CR: Crown

Tuesday, October 14, 2014 09:52

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/31/2014 07/31/2014	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			ump Stations GPS Latitude/Longitude		
Calegory				Start		End
Intake and Discharge Pipes		39.1200	96 °	39.120096 °		
item	item		-121.7792	30 °	-121.779230 °	
DWR ID	DWR_NA0	2_22				
Action/Comments						
Inspector Comments: No visible deficiencies observed in the pipe's						

condition.



View of the structure intake.

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Sutter Bypass Weir No. 2	

Structure Rating	Α
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

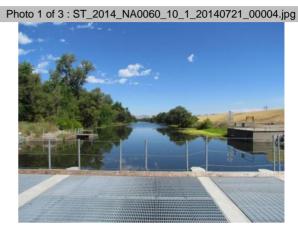
Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
ltom	Item Photo Documentation		39.10276	63 °	39.102763 °	
пеш			-121.75873	38 °	-121.758738 °	
DWR ID	DWR_NA0060_10_t _ 2012_1					
Action/Comments						

Inspector Comments: This weir is being replaced, the new weir is in the process of being built on the downstream side of weir number 2. Permit No. 18400 (CVFPB) issued 10-30-2008.



The view from upstream of the Sutter Bypass Weir #2.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



The view from downstream of the Sutter Bypass Weir #2.

Rating ** LM Start 0.00 Ν Issue No. 1 (cont) Location * 0.00 Issue Type + Ма LM End



This is a view of the Sutter Bypass Weir #2.

Location LS : Land Side WS: Water Side CR : Crown

Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En : Enforcement

FINAL DATA

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Vegetation & Obstructions			39.10276	33°	39.102763 °
item				-121.75873	88 °	-121.758738 °
DWR ID	DWR_NA0060_10_t _ 2012_2					
Action/Comments						
Inspector (Inspector Comments: Minimal, scattered obstructions or vegetation.					

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation			39.1027	63 °	39.102763	0
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0						
		Action/	Comme	nts			
Inspector (Comments	: No shoaling	or sedin	nentation pr	ese	nt.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ма	Location *				
Catagory	Structures & Concrete Lined Channels			ined GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Erosion / Bank Caving			63 °	39.102763	0	
пеш				-121.7587	38 °	-121.758738	0	
DWR ID	DWR_NA0060_10_t _ 2012_4							
Action/Comments								
		: No active er verward side			g ob	served on the)	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	S Latitude/Longitude		
Calegory	Channels		Start		End		
Item	Revetmer	nts		39.10276	63 °	39.102763 °	
пеш				-121.75873	38 °	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_5				
	Action/Comments						

Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.

No Photos

Rating ** Issue No. LM Start 0.00 Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels 39.102763° Encroachments 39.102763° Item -121.758738 ° -121.758738 ° DWR ID DWR_NA0060_10_t _ 2012_6 Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	atitud	de/Longitude	
Category	Channels	nels		Start		End	
Item	Culverts:	Culverts: Inlets / Outlets		39.1027	63 °	39.102763	0
item				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_7				
		Action/	'Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Culverts: Breaks / Holes /		s/	39.10276	3°	39.102763 °	
пеш	Cracks			-121.75873	8 °	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_8				
	Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category		tructures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	annels		Start		End	
Item	Metal Pipe	Metal Pipes		39.1027	63 °	39.102763	0
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_9				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels	Channels		Start		End	
Item	Trash Racks		39.1027	63 °	39.102763	0	
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_10				
		Action/	Comme	nts			
Inspector (: Trash racks	are faste	ened in plac	ce a	nd properly	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Category Channels				GPS Latitude/Longitude		
Calegory	Channels			Start		End	
Item	Flap Gates			39.1027	63 °	39.102763 °	
пеш				-121.7587	38 °	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_11				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitud				
Calegory	Channels	nannels		Start		End	
Item	Sluice/Sli	de Gates		39.1027	63 °	39.102763	0
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_12				
		Action/	Commo	oto			

Action/Comments

Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Electric Gate Operators		39.1027	63 °	39.102763	0	
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_13				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Manual Gate Operators			39.10276	3 °	39.102763 °	
item				-121.75873	8 °	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_14				
	Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this i	nsp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End	
Concrete Surfaces			39.10276	33°	39.102763 °	
Item					88°	-121.758738 °
DWR ID	DWR_NA0	060_10_t _ 201	2_15			
Action/Comments						
Inspector (Comments	: Negligible s	palling, s	caling, and	cra	cking.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	_
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete	Tilting / Settle	39.1027	63 °	39.102763	٥	
пеш			-121.7587	38 °	-121.758738	٥	
DWR ID	DWR_NA0	060_10_t _ 201	2_16				
		Action/	Comme	nts			
	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Concrete Foundations			39.1027	63 °	39.102763 °
пеш				-121.7587	38 °	-121.758738 °
DWR ID	DWR_NA0	060_10_t _ 201	2_17			
Action/Comments						
Inspector (Comments	: No scouring	/ erosio	n or underm	ninin	g near the

No Photos

LM Start 0.00 Rating ** Issue No. 18 Location * LM End 0.00 Issue Type + Ма Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 39.102763° 39.102763° Item -121.758738 ° -121.758738 ° DWR ID DWR_NA0060_10_t _ 2012_18 Action/Comments

No Photos

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts

LM Start	0.00	Rating **	Α	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Closure Structures		39.10276	3°	39.102763	0	
item				-121.75873	8 °	-121.758738	0
DWR ID	DWR_NA0060_10_t _ 2012_19						
Action/Comments							

Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Componets of closure clearly marked and installation

instructions / procedures readily available.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

structure.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Trash Rakes			39.10276	33°	39.102763 °
Item				-121.75873	88 °	-121.758738 °
DWR ID	DWR_NA0	060_10_t _ 201	2_20			
	Action/Comments					
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Metallic Items			39.10276	3°	39.102763 °	
пеш				-121.75873	8 °	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_21				
	Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this i	nsp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Monolith Joints			39.1027	63 °	39.102763	0
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_22				
Action/Comments							
Inspector (Inspector Comments: The monolith joint material is in good condition.						

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ма	Location *			
Category Channels			_ined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Safety			39.102763	°	39.102763	0
пеш				-121.758738	°	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_23				
	Action/Comments						

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Itom	Item Operation & Maintenance Manual		39.10276	3°	39.102763 °		
пеш				-121.75873	8 °	-121.758738 °	
DWR ID	DWR ID DWR_NA0060_10_t _ 2013_24						
Action/Comments							
Inspector (Comments	Sutter Maint	enance `	Yard has a d	ะดก	v of the O&M	

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
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U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Tisdale Weir	

Structure Rating	Α
Date of Inspection	07/11/2014
DWR Inspector	Matthew Hoffman
Accompanied By	

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
ltom	Item Photo Documentation		39.026713 °		39.026713°		
пеш				-121.821995 °		5 ° -121.821995	
DWR ID DWR_NA0060_3_t _ 2012_1							
Action/Comments							



This view is of the Tisdale Weir from the right bank levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



The view upstream from the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



The view downstream from the structure.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

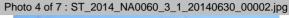
+ Issue Type
Ma : Mainte

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item Photo Documentation			39.026713 °		39.026713 °	
				-121.821995 °		-121.821995 °
DWR ID DWR_NA0060_3_t _ 2012_1						
Action/Comments						





Concrete cracking along the south wing wall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Exposed rebar with lengths in excess of 6 feet. Should be cut off flush with concrete surface.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Exposed rebar within the structure.

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Channels			Start		End		
Item	Photo Documentation			39.0267	13 °	39.026713 °	
item			-121.8219	95 °	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2012	_1				
Action/Comments							



Minor concrete spalling present.

LM Start	0.00	Rating **	Α	Issue No.		2			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Category Changels				GPS Latitude/Longitude				
Calegory	Channels		Start		End				
Item	Vegetation & Obstructions			39.0267	13 °	39.026713 °			
item			-121.8219	95 °	-121.821995 °				
DWR ID DWR_NA0060_3_t _ 2012_2									
	Action/Comments								

Inspector Comments: Minimal, scattered logs in the weir and on the upstream side. The flow is not impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Catagory		& Concrete	Lined	GPS Latitude/Longitude				
Category Channels					Start			
Item	Shoaling / Sedimentation		on	39.0267	13 °	39.026713	٥	
пеш				-121.821995 °		-121.821995	0	
DWR ID	DWR_NA0	060_3_t _ 2012	_3					
		Action/	Comme	nts				
Inspector (Comments	: Minimal sho	aling or	sedimentati	on p	oresent.		

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion / Bank Caving			39.02671	3°	39.026713	0	
пеш				-121.82199)5 °	-121.821995	0	
DWR ID	DWR_NA0060_3_t _ 2012_4							
	Action/Comments							

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS Latitude/Longitude			
Channels			Start		End		
Item	Revetments			39.0267	13 °	39.026713	0
пеш		-121.821995 °		-121.821995	0		
DWR ID DWR_NA0060_3_t _ 2012_5							
	Action/Comments						

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6		
LM End	0.00	Issue Type +	Ma	Location *				
Category		s & Concrete I	Lined	GPS Latitude/Longitude				
Channels					Start			
Item	Encroachments			39.026713 °		39.026713	0	
Item		-121.821995 °		-121.821995	0			
DWR ID	DWR_NA0	060_3_t _ 2012	_6					
		Action/	'Comme	nts				
Inspector (Comments	: There is sor	ne debris	s in the cha	nne	l.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Itom	ltem Culverts: Inlets / Outlets			39.0267	13 °	39.026713 °	
item				-121.8219	95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_7				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Latitude/Longitude			
Channels			Start		End		
Item	Culverts: Breaks / Holes / Cracks			39.0267	13 °	39.026713	0
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_8				
Action/Comments							
Inspector Comments: This item does not apply to this inspection.							

No Photos

LM Start	0.00	Rating **	N	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Channels					Start			
Item	Metal Pipes			39.0267	13 °	39.026713	0	
iteiii			-121.821995 °		-121.821995 °			
DWR ID	DWR_NA0	060_3_t _ 2012	_9					
		Action/	Comme	nts				
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Itom	Trash Racks			39.0267	13 °	39.026713 °
пеш	tem			-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_10			
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Category Channels			GPS Latitude/Longitude			
Charmers		Start		End		
Item	Flap Gates			39.0267	ı3°	39.026713 °
пеш				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_11			
	Action/Comments					
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Sluice/Slide Gates		39.026713 °		39.026713	0	
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_12				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

NA0060

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Item	Electric Gate Operators		39.026713 °		39.026713 °	
пеш				-121.82199	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_13			·
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Manual Gate Operators		39.0267	13 °	39.026713 °		
пеш		0.00 Issue Type + ructures & Concrete Linannels		-121.8219	95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_14				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	pection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels				Start		End	
Itom	Concrete Surfaces			39.0267	13 °	39.026713 °	
Item				-121.82199	95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_15				
		Action/	Comme	nts			
Inspector Comments: Minimal spalling, scaling or cracking on main surface of structure and wing walls.							



This photo shows some surface damage.

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Itom	Concrete	Tilting / Settle	ment	39.02671	3°	39.026713	0
пеш	Concrete Tilting / Se			-121.82199	5 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_16				
		Action/	Comme	nts			

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Charmers		Start		End		
Itom	Concrete Foundations			39.02671	3°	39.026713 °	
Item					5 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_17				
	Action/Comments						
Inspector (Comments	: No scouring	/ erosio	or underm	nin	a near the	

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category			Lined	GPS La	atitud	de/Longitude	
Category	O DWR_NA0060_3_t _ 2012_18 Action/Comr		Start		End		
Item	Security Fencing			39.0267	13 °	39.026713	0
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_18				
		Action/	Comme	nts			
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory		S		Start		End	
Item	Closure Structures			39.026713 °		39.026713 °	
пеш				-121.82199	95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_19				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Category Changels			GPS La	atitud	le/Longitude			
Calegory	Channels			Start		End		
Item	Trash Rakes			39.0267	13 °	39.026713	0	
item				-121.8219	95 °	-121.821995	0	
DWR ID	DWR_NA0	060_3_t _ 2012	_20					
Action/Comments								
Inspector Comments: This item does not apply to this inspection.								

No Photos

	LM Start	0.00	Rating **	N	Issue No.		21			
	LM End	0.00	Issue Type +	Ma	Location *					
	Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude			
					Start		End			
	Item	Other Metallic Items			39.0267	13 °	39.026713	0		
					-121.8219	95 °	-121.821995	0		
	DWR ID	DWR_NA0	060_3_t _ 2012	_21						
	Action/Comments									
	Inspector Comments: This item does not apply to this inspection.									

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		07/11/2014 07/11/2014	Matthew Hoffman

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Calegory	Channels			Start		End	
Item	Monolith Joints			39.0267	13 °	39.026713 °	
пеш					95 °	-121.821995 °	
DWR ID	DWR_NA0	060_3_t _ 2012	_22				
Action/Comments							
Inspector (Comments	: The monolit	h joint m	aterial is in	goo	d condition.	

No Photos

Issue No. LM Start 0.00 Rating ** Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 39.026713 ° 39.026713 ° Item -121.821995 ° -121.821995 ° DWR ID DWR_NA0060_3_t _ 2012_23 Action/Comments Inspector Comments: Exposed rebar needs to be cut flush with existing

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Category				Start		End	
Operation & Maintenance			се	39.0267	13 °	39.026713	0
Item	Manual			-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0060_3_t _ 2013_24						
		Action/	Comme	nts			

No Photos

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

* Location LS : Land Side WS : Water Side CR : Crown

concrete surface.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2014 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Wadsworth Canal Weir No. 4	

Structure Rating	Α
Date of Inspection	07/17/2014
DWR Inspector	Bob Duffey
Accompanied By	Tim Shill DWR Sutter Yard

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	e/Longitude		
Category	Channels			Start		End	
Item	Photo Documentation			39.1533	25 °	39.153325 °	
item				-121.7341	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_23				
Action/Comments							
Inspector Comments: Upstream side of the structure is clear of debris.							



View of the upstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	tituc	de/Longitude	
Category	Channels			Start		End	
Item	Vegetation & Obstructions			39.15332	25 °	39.153325 °	
пеш				-121.73412	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_1				
		Action/	Comme	nts			
Inspector Comments: There is no vegetation that would impact the flow of water.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels	annels				End	
Item	Shoaling / Sedimentation			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	٥
DWR ID	DWR_NA0	060_11_t _ 201	2_2				
		Action/	Comme	nts			
Inspector Comments: There is no shoaling or sedimentation present.							
							_

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category			Start		End	
Item	Erosion / Bank Caving			39.1533	25 °	39.153325 °
пеш				-121.7341	22 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_3			
Action/Comments						
Inspector Comments: Repair all erosion along the channel before winter.						



View of the downstream side of the Wadsworth Canal Weir No.4 showing erosion along channel.

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End
Item	Revetments			39.15332	25 °	39.153325 °
item				-121.73412	22 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_4			
Action/Comments						
Inspector (Comments	: Extending ri	prap pro	tection is pr	ope	rly maintained.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	tituc	le/Longitude	
Category	Channels			Start		End
Item	Encroachments			39.1533	25 °	39.153325 °
itom				-121.7341	22 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_5			
Action/Comments						
Inspector Comments: There are no debris obstructing the structure.						

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	& Concrete I	GPS La	_atitude/Longitude			
Calegory	Category Channels				End	
Item	Culverts: Inlets / Outlets			39.15332	25 °	39.153325 °
пеш				-121.73412	22 °	-121.734122 °
DWR ID DWR_NA0060_11_t _ 2012_6						
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.

No Photos

	LM Start	0.00	Rating **	N	Issue No.		7	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category Structures & Concrete Lined Channels			GPS La	atitud	de/Longitude		
				Start	art End			
	Culverts: Breaks / Holes /			39.1533	25 °	39.153325	0	
	item	Cracks			-121.7341	22 °	-121.734122	0
	DWR ID	DWR_NA0	060_11_t _ 201	2_7				
	Action/Comments							
	Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels			Start		End
Item	Metal Pipes			39.1533	25 °	39.153325 °
item				-121.73412	22 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_8			
Action/Comments						
Inspector (Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	Latitude/Longitude		
Category Channels				Start		le/Longitude End 39.153325 ° -121.734122 °	
Item	Trash Racks			39.15332	25 °	39.153325 °	
item				-121.73412	2°	-121.734122 °	
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_9						
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this i	nsp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Flap Gates			39.15332	25 °	39.153325 °
пеш				-121.73412	22 °	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_10			
Action/Comments						
Inspector (Comments	: This item do	es not a	pply to this	ins	pection.

No Photos

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Sluice/Slide Gates			39.1533	25 °	39.153325 °		
item				-121.7341	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_11				
Action/Comments							
Inspector (Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Electric Gate Operators			39.15332	25 °	39.153325 °	
пеш				-121.73412	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_12				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insc	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Manual Gate Operators			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_13				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete Surfaces			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_14				
Action/Comments							
Inspector (Comments	: There is no	spalling	or cracking	of th	ne structure.	

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Concrete Tilting / Settlement			39.153325 °		39.153325 °	
пеш				-121.73412	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_15				
Action/Comments							
Inspector (Comments	: There are no	signific	ant areas of	f tilti	ina.	

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude					
Calegory				Start		End			
Item	Concrete Foundations			39.1533	25 °	39.153325	0		
пеш				-121.7341	22 °	-121.734122	0		
DWR ID	DWR_NA0060_11_t _ 2012_16								
Action/Comments									
Inspector (Inspector Comments: There is some erosion on the downstream side								

No Photos

	LM Start	0.00	Rating **	Α	Issue No.		17		
	LM End	0.00	Issue Type +	Ma	Location *				
	Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
	Calegory				Start		End		
	Item	Security Fencing			39.1533	25 °	39.153325	0	
					-121.7341	22 °	-121.734122	0	
	DWR ID	DWR_NA0060_11_t _ 2012_17							
	Action/Comments								
	Inspector Comments: There is a security fence around the structure.								

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

near the structure.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End		
Itom	Item Closure Structures			39.15332	5 °	39.153325	0
пеш				-121.73412	2 °	-121.734122	0
DWR ID	DWR_NA0060_11_t _ 2012_18						
Action/Comments							

Inspector Comments: There are stop logs available for within the channel, but the structure does not have any other closure structure. No Photos

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			39.15332	25 °	39.153325 °	
Item				-121.73412	22 °	-121.734122 °	
DWR ID	DWR_NA0	060_11_t _ 201	2_19				
Action/Comments							
Inspector (Comments	: This item do	es not a	pply to this	insp	ection.	

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Other Metallic Items			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_20				
Action/Comments							
Inspector Comments: This item does not apply to this inspection.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2014

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/17/2014 07/17/2014	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
		Start		End		
Monolith Joints			39.1533	25 °	39.153325 °	
Item				-121.7341	22 °	-121.734122 °
DWR ID DWR_NA0060_11_t _ 2012_21						
Action/Comments						
Inspector Comments: The mortar joint material is in good condition.						

No Photos

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start	End				
Item	Safety			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID DWR_NA0060_11_t _ 2012_22							
Action/Comments							
Inspector Comments: Sutter Maintenance Yard has a safety program in place.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
		Start		End			
Operation & Maintenance		39.15332	25 °	39.153325 °			
Ma Ma	Manual	Manual			22 °	-121.734122 °	
DWR ID DWR_NA0060_11_t _ 2013_24							
Action/Comments							
Inspector Comments: The yard has a copy of the O&M Manual.							

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type